

FIG. 1

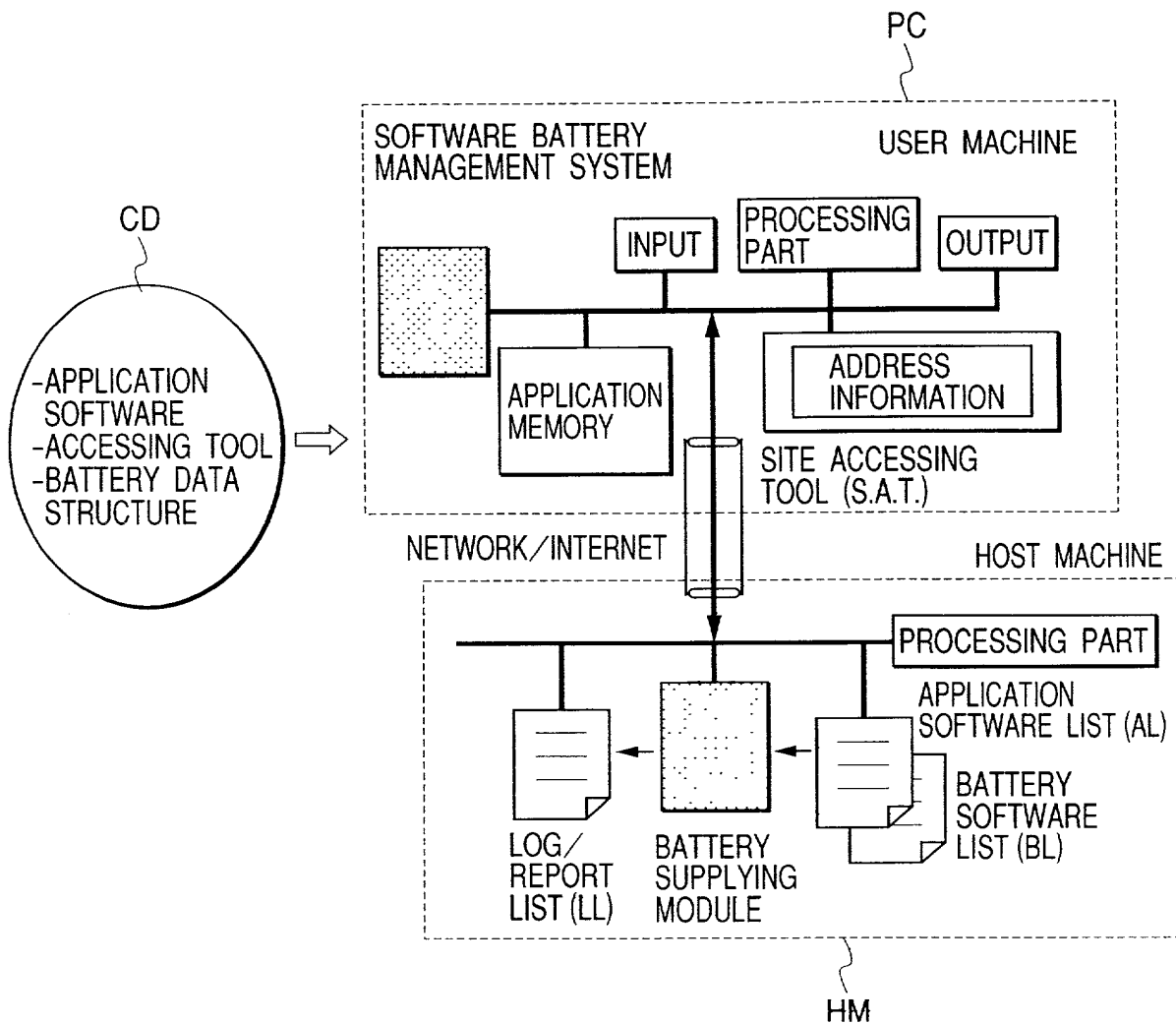
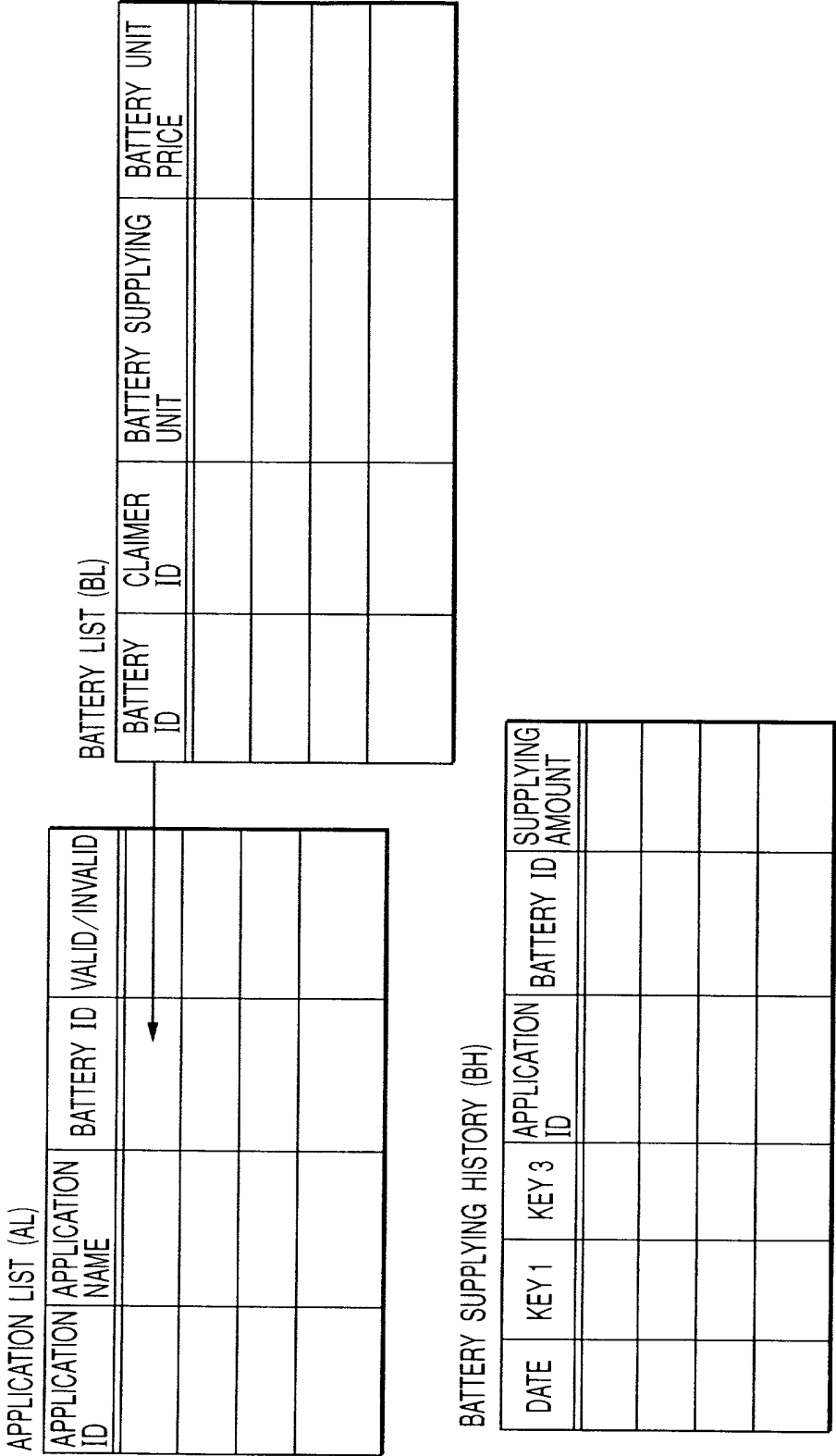


FIG. 2



KEY 1 IS AVAILABLE TO IDENTIFY A USER

FIG. 3

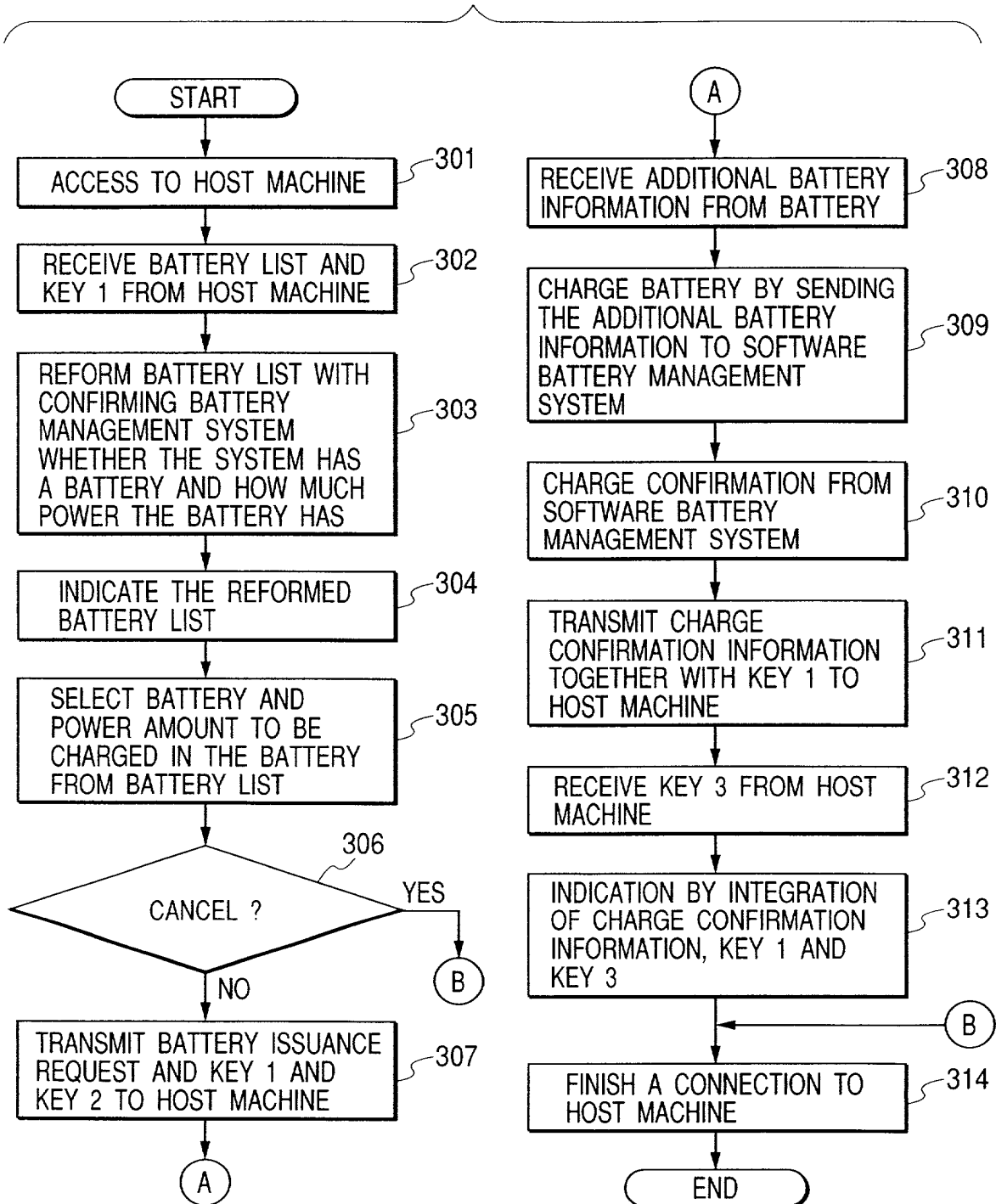


FIG. 4

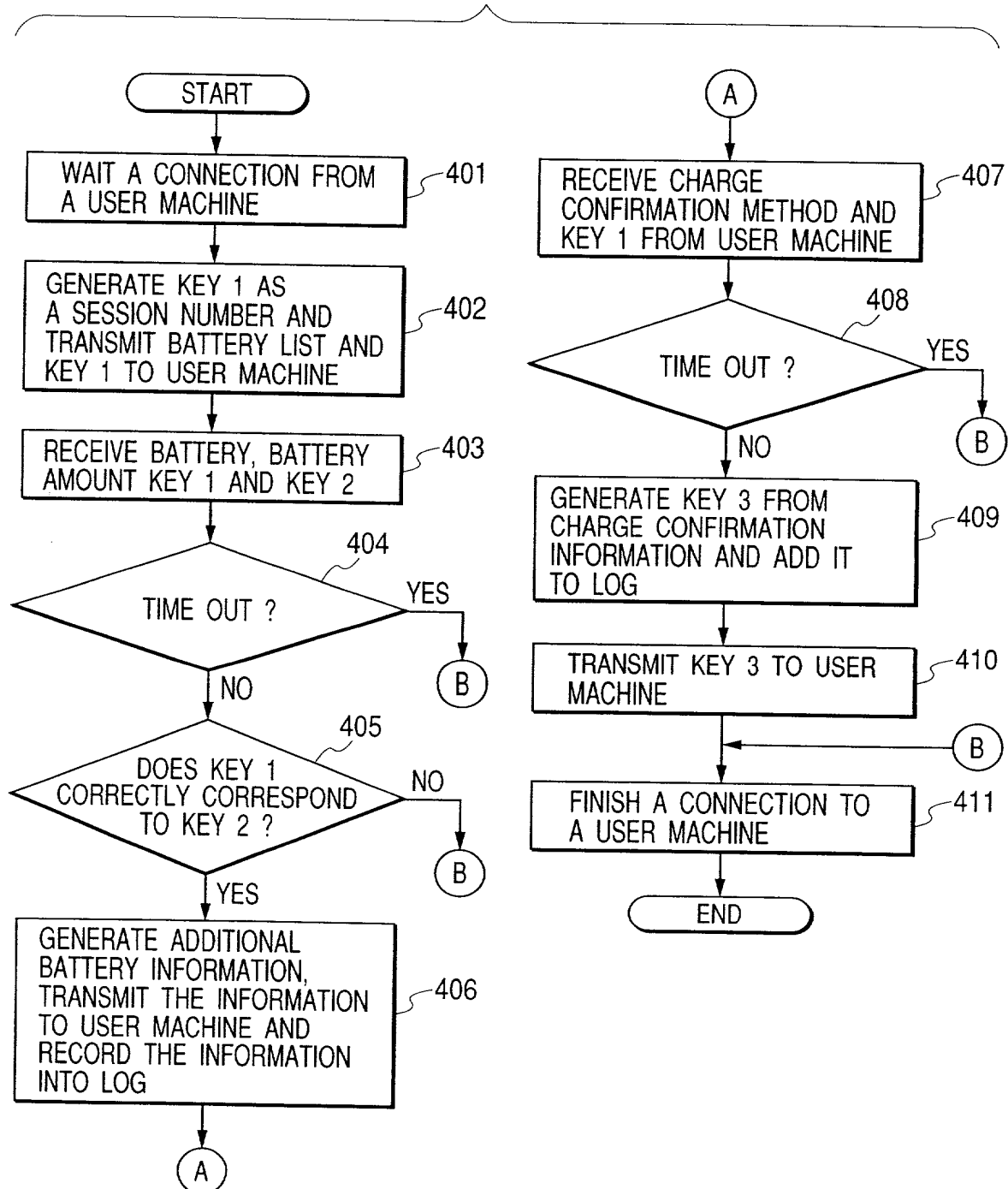


FIG. 5

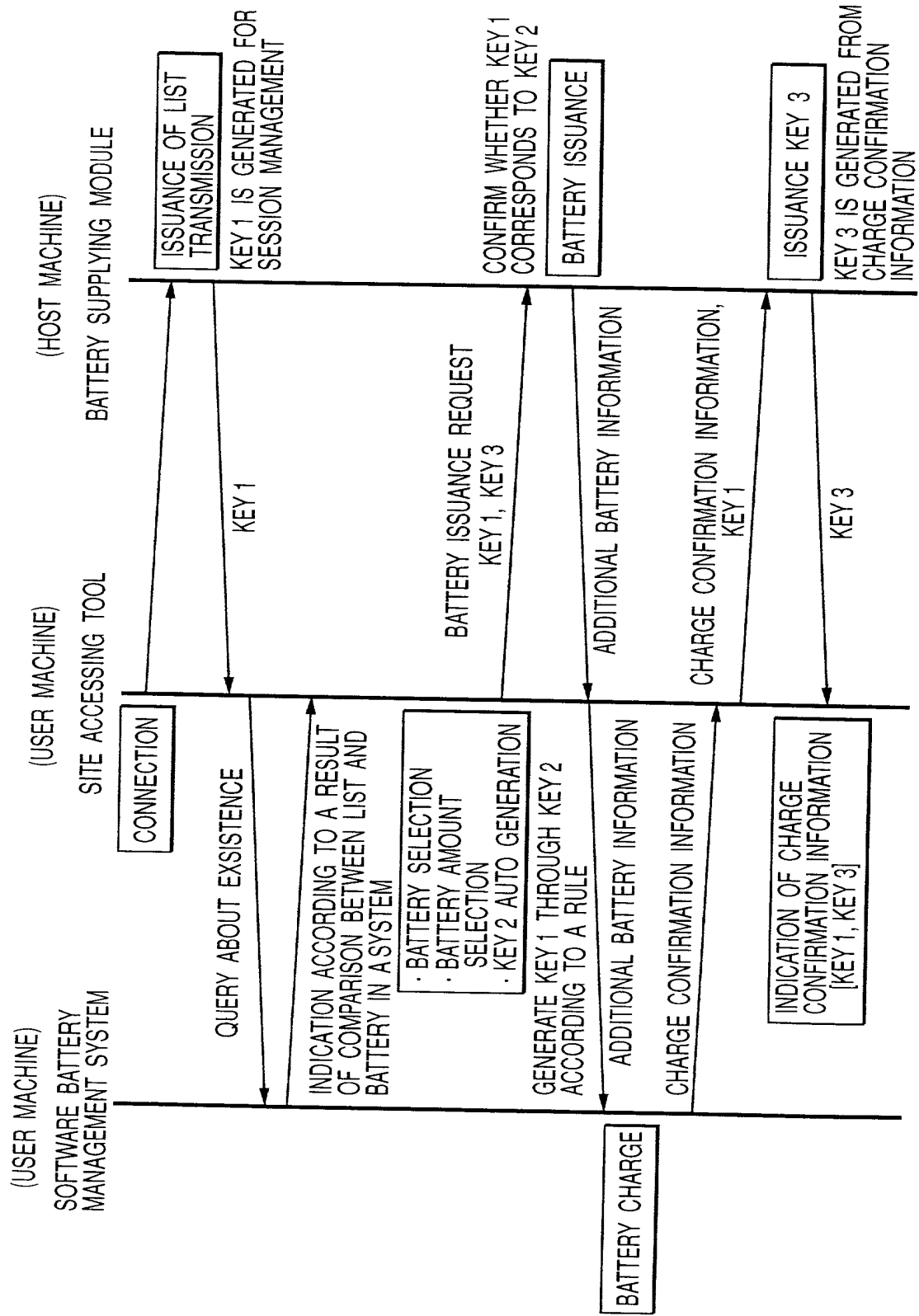


FIG. 6

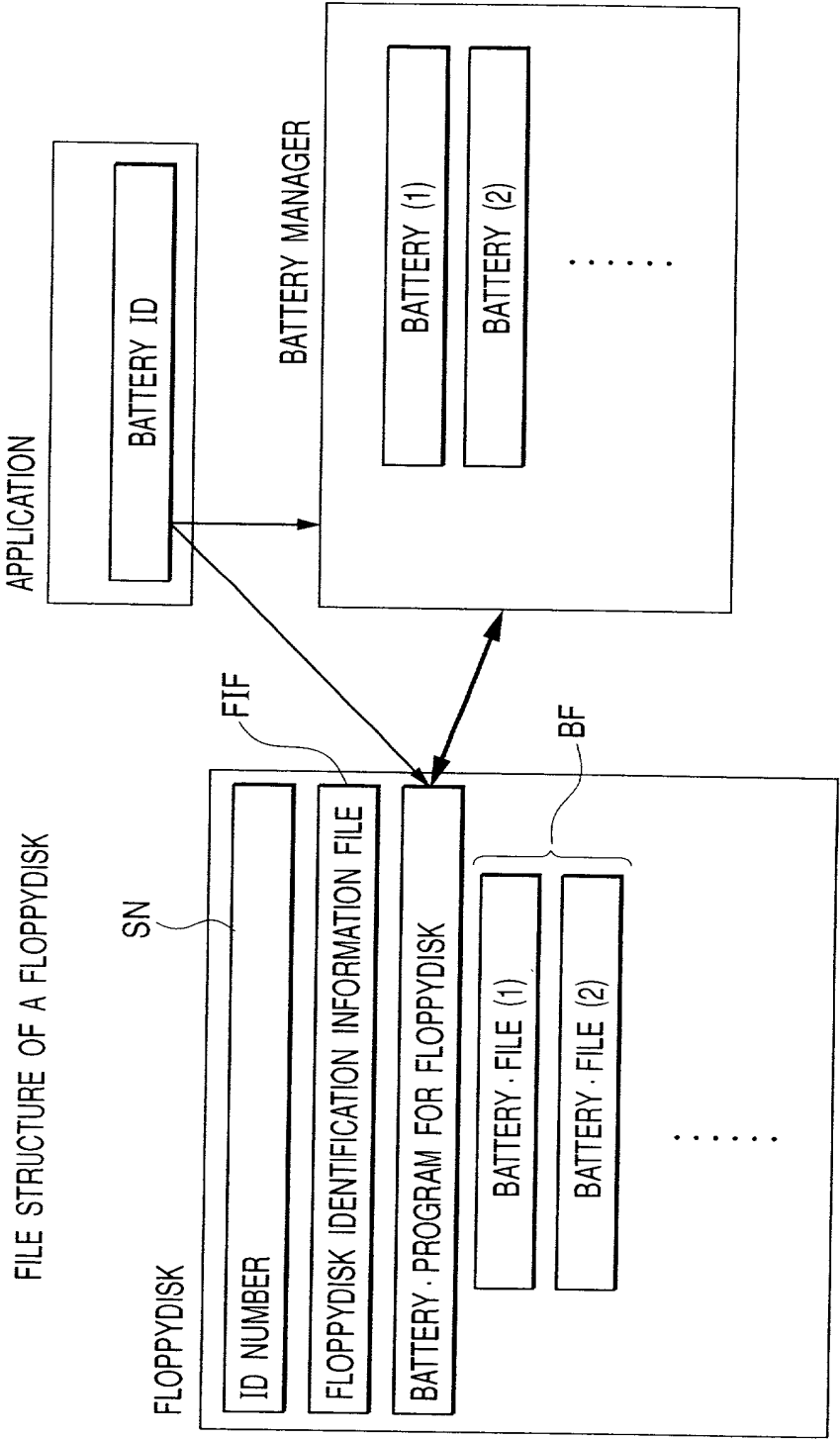


FIG. 7

OUTLINE OF ACTION OF BATTERY
PROGRAM FOR FLOPPYDISK

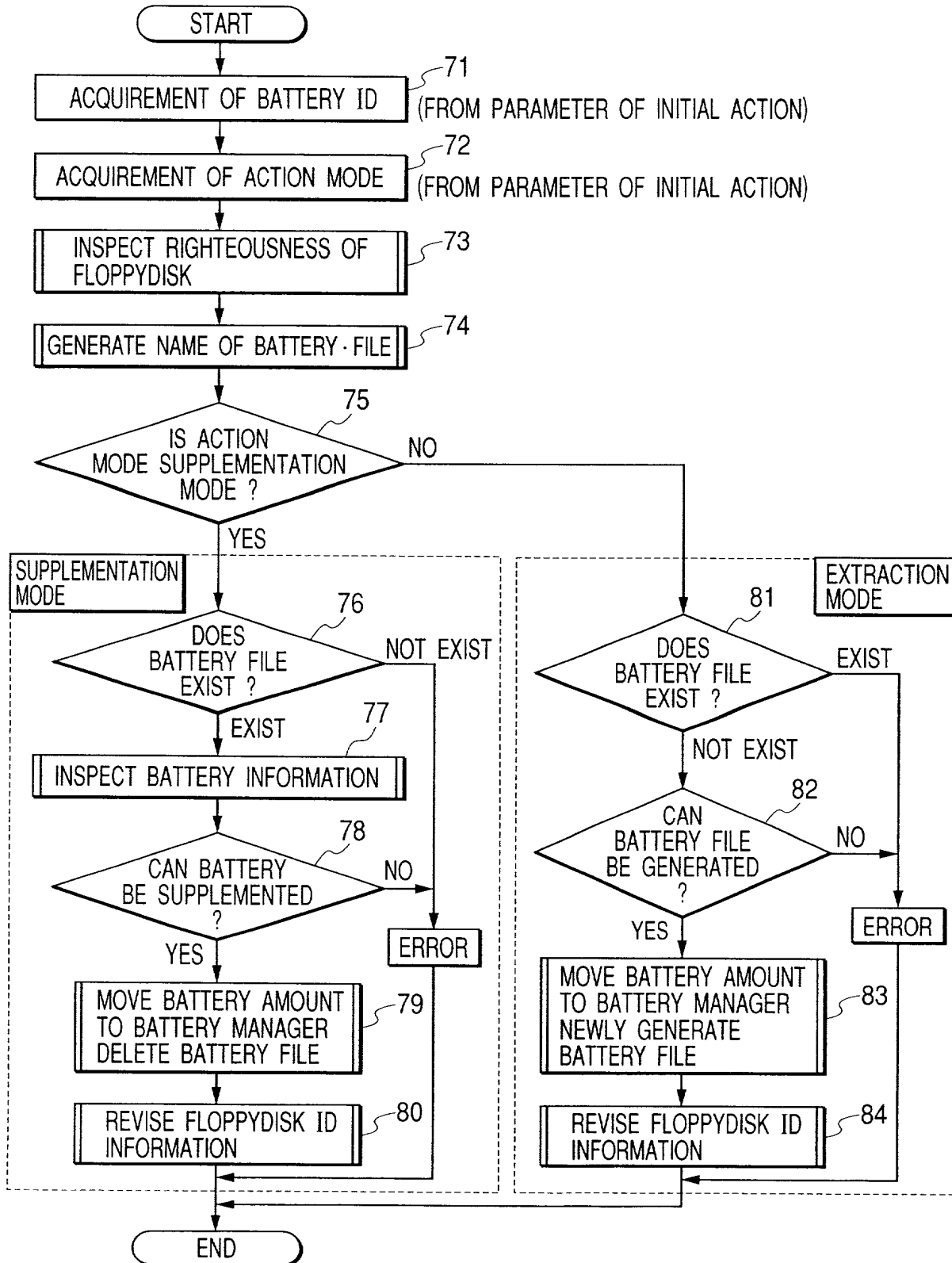
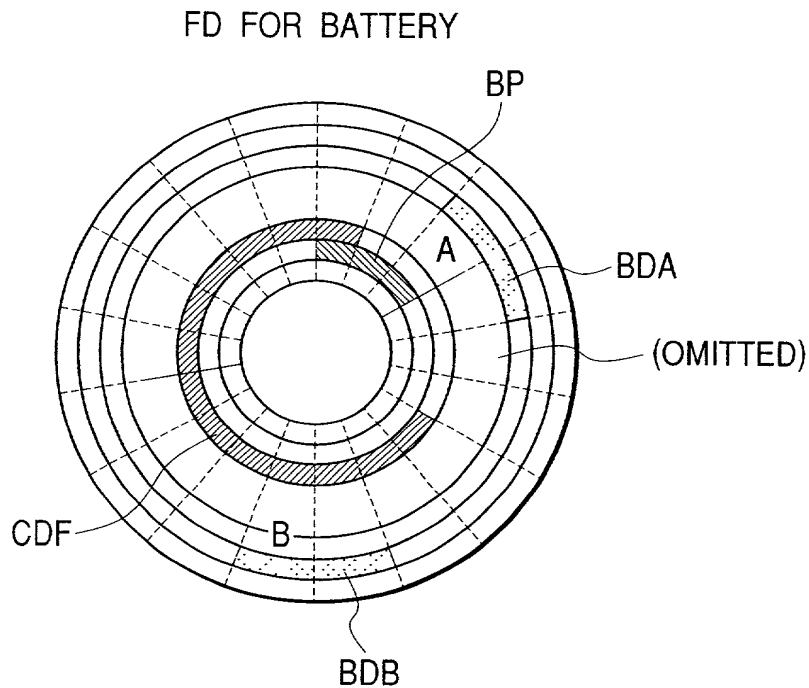


FIG. 8

BATTERY MANAGEMENT DATA FORMAT

| |
|---|
| SERIAL NUMBER OF FLOPPYDISK |
| FINALLY OPERATED DATE/TIME INFORMATION |
| FINALLY OPERATED BATTERY ID |
| FINALLY OPERATED BATTERY SUMMARY *1 |

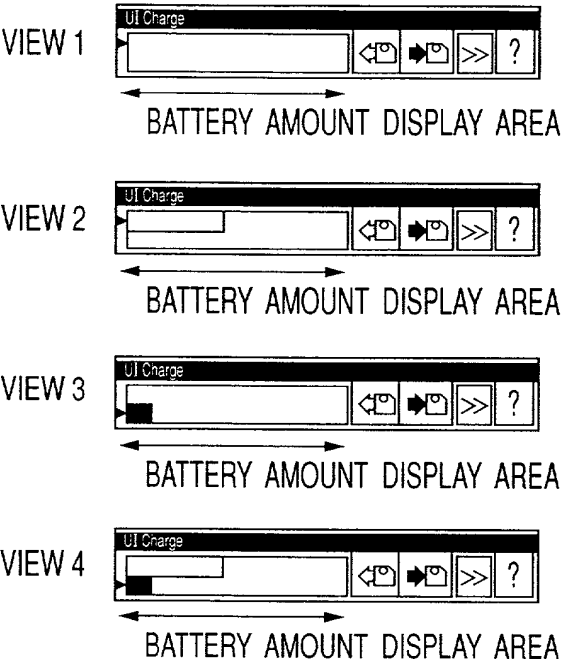
* 1: NUMERAL DATA LIKE CHECK
SUM TO CHECK IF BATTERY
DATA IS NOT CHANGED

BATTERY DATA FORMAT

| |
|---|
| IDENTIFICATION INFORMATION OF BATTERY TYPE *2 |
| BATTERY AMOUNT (INTEGER) *2 |
| IDENTIFICATION FLAG OF POSSIBLE TO CHARGE OR IMPOSSIBLE TO CHARGE |
| IDENTIFICATION FLAG OF ATTACHABLE OR DETACHABLE |
| ESTIMATION VALUE OF REMAINING USABLE TIME/ NUMBER OF TIME |

* 2: IT IS POSSIBLE TO ARRANGE
TYPE AND AMOUNT OF
BATTERY IN A VALUE

FIG. 9



VIEW 5

| <STATUS OF BATTERY ATTACHMENT> | | | | | |
|--|-----------------|-----------|-----------------|------------|--------|
| TYPE | WITH OR WITHOUT | REMAINING | REMAINING TIME | PROCESSING | |
| OR TEST NORMAL NOT RESTRICTED | W | 10unit | xx MINUTES LEFT | CHARGE | DETACH |
| | W | 100unit | xx MINUTES LEFT | CHARGE | DETACH |
| | W/O | | | CHARGE | DETACH |

<CONSUMPTION ORDER>
CONSUME POWER FROM NORMAL BATTERY
☐ GENERATE OPERATION HISTORY FILE

DELETE OPERATION HISTORY FILE CLOSE HELP

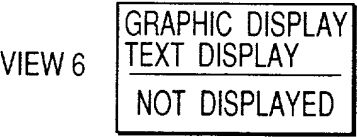


FIG. 10

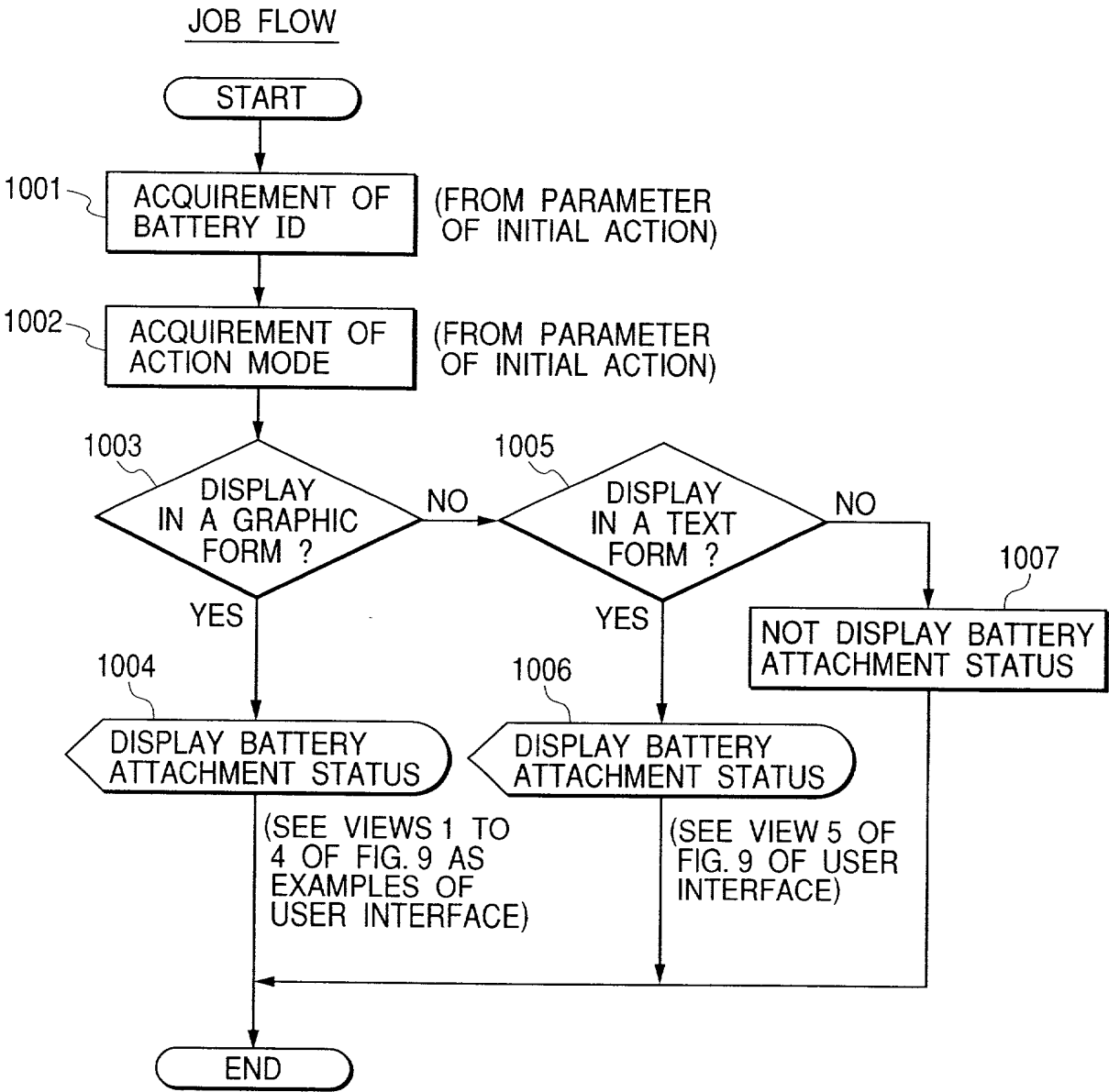


FIG. 10

FIG. 11VIEW EXAMPLE

VIEW 1

ESTIMATION DISPLAY VIEW

| <STATUS OF BATTERY ATTACHMENT> | | | | |
|--------------------------------|-----------------|-----------|-----------------|--|
| TYPE | WITH OR WITHOUT | REMAINING | REMAINING TIME | PROCESSING |
| OR TEST | W | 10unit | xx MINUTES LEFT | <input checked="" type="checkbox"/> CHARGE <input type="checkbox"/> DETACH |
| NORMAL | W | 100unit | xx MINUTES LEFT | <input checked="" type="checkbox"/> CHARGE <input type="checkbox"/> DETACH |
| NOT RESTRICTED | W/O | | | <input checked="" type="checkbox"/> CHARGE <input type="checkbox"/> DETACH |

<CONSUMPTION ORDER>
 CONSUME POWER FROM NORMAL BATTERY
☐ GENERATE OPERATION HISTORY FILE

BATTERY DATA FORMAT


| |
|---|
| IDENTIFICATION INFORMATION OF BATTERY TYPE *2 |
| BATTERY AMOUNT (INTEGER) *2 |
| IDENTIFICATION FLAG OF POSSIBLE TO CHARGE OR IMPOSSIBLE TO CHARGE |
| IDENTIFICATION FLAG OF ATTACHABLE OR DETACHABLE |
| ESTIMATION VALUE OF REMAINING USABLE TIME/NUMBER OF TIME *3 |

*2: IT IS POSSIBLE TO ARRANGE TYPE AND AMOUNT OF BATTERY IN A VALUE

*3: CALCULATED AND REVISED ACCORDING TO SUMMARY FILE OF OPERATION HISTORY INFORMATION ACCUMULATED IN MAIN BODY

VIEW 2

NOTICE OF REMAINING AMOUNT DISPLAY VIEW

| |
|--|
|  NOW USING BATTERY WILL BE RUN DOWN BY REMAINING xx TIMES |
| <input type="button" value="CLOSE"/> <input type="button" value="HELP"/> |

OPERATION HISTORY INFORMATION ACCUMULATED IN A SYSTEM

<SPECIFIED DATA FILE>

| |
|-------------------------------------|
| BATTERY ID |
| OPERATION START TIME/DATE |
| SOFTWARE OPERATION FINISH TIME/DATE |
| OPERATION TIME |
| OPERATION UNIT NUMBER |

<SUMMARY DATA FILE>

| |
|-----------------------------------|
| BATTERY ID |
| ACCUMULATED OPERATION TIME |
| ACCUMULATED OPERATION UNIT NUMBER |

FIG. 12

FUNCTION ESTIMATED OPERATION POSSIBLE TIME/NUMBER
OF TIME FROM REMAINING AMOUNT OF BATTERY

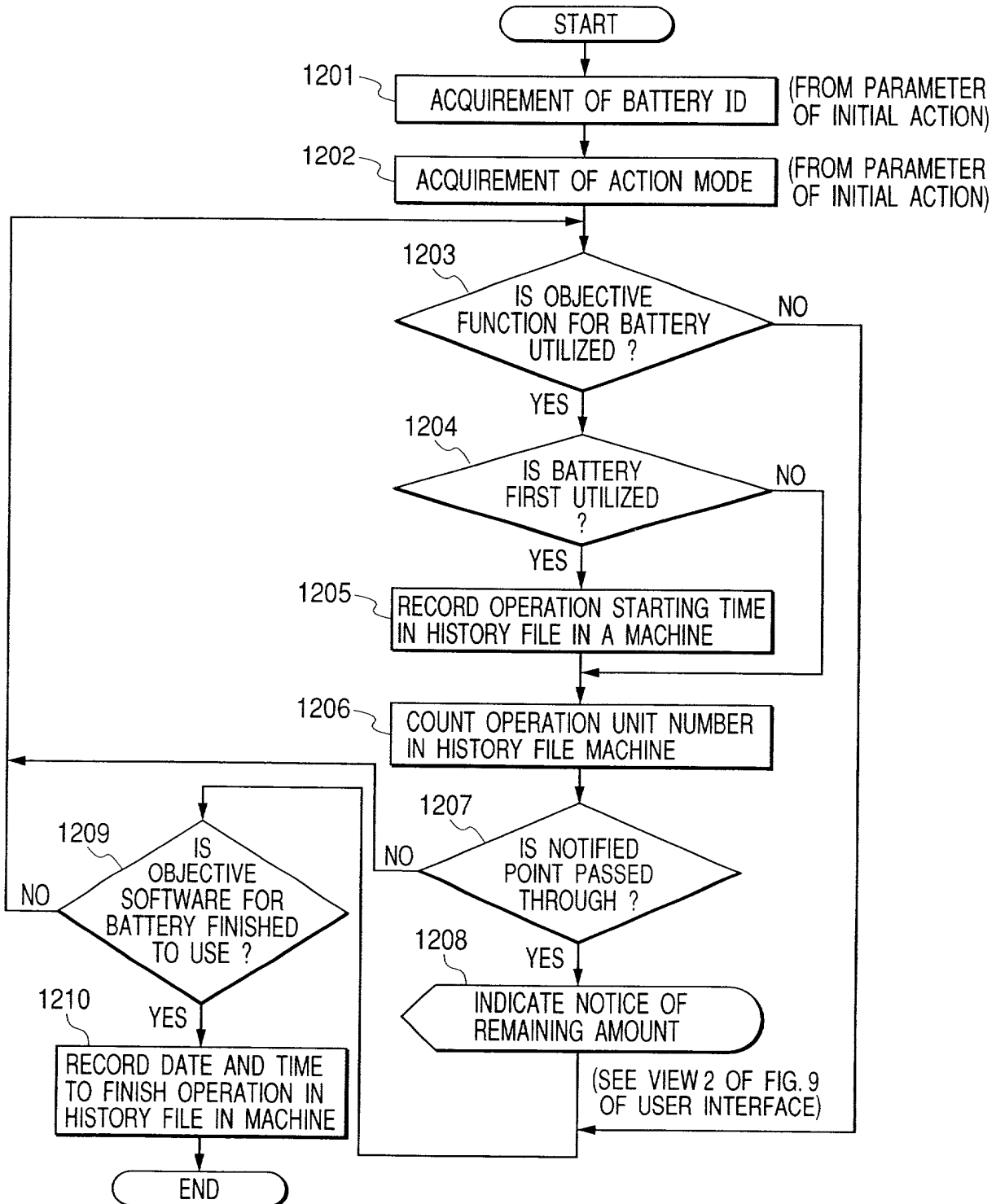


FIG. 13

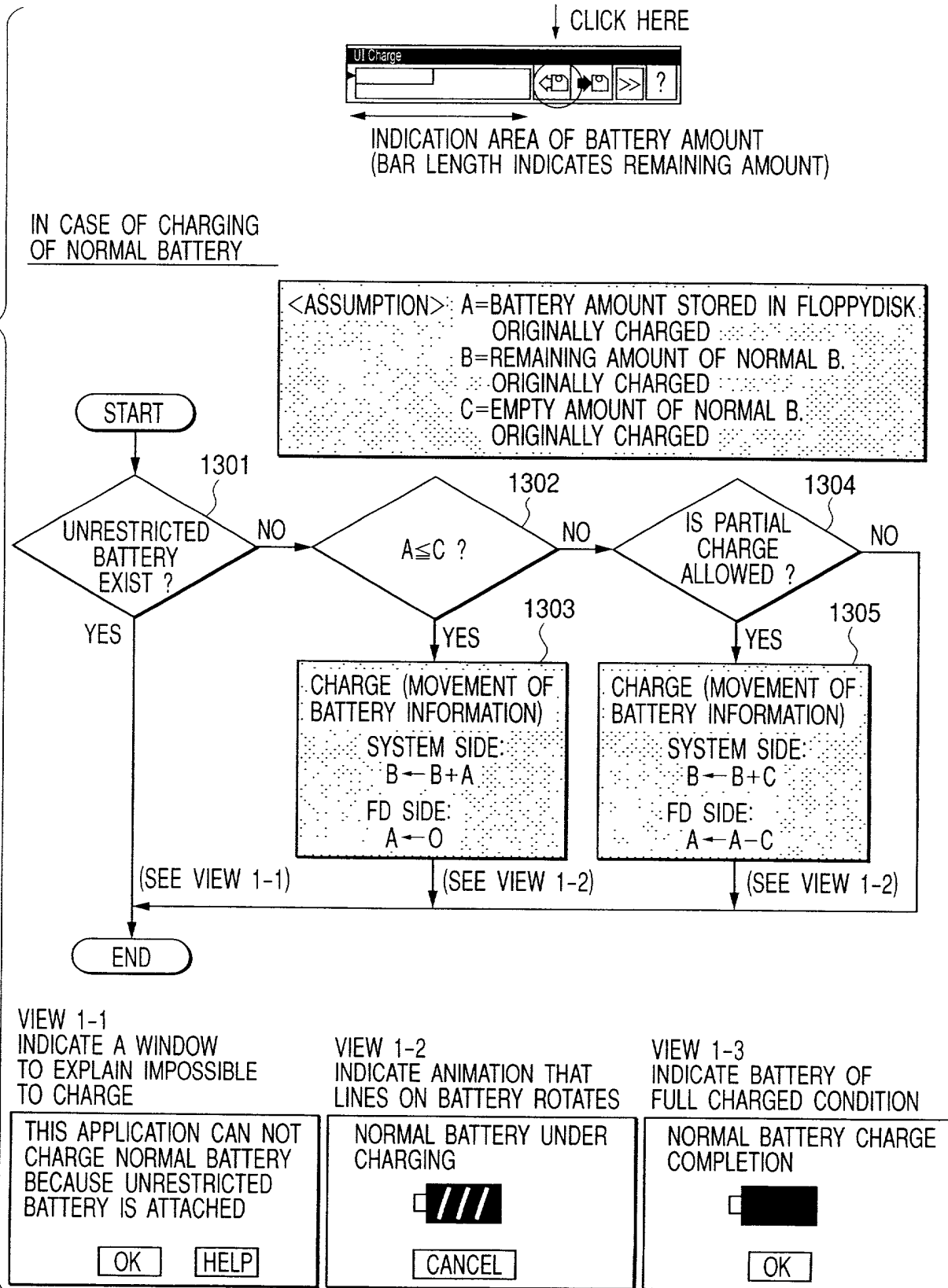
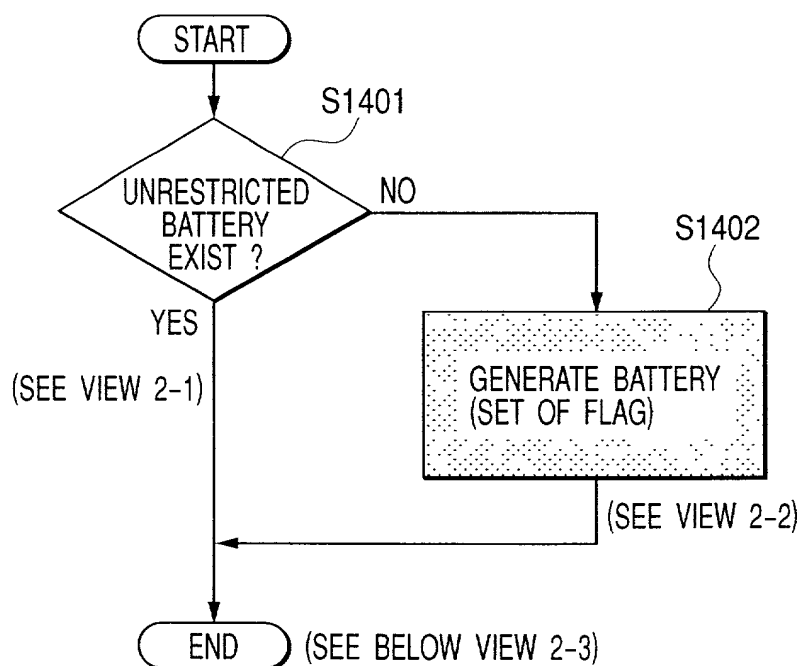


FIG. 14

IN CASE OF CHARGING OF UNRESTRICTED BATTERY
 (→IN CASE OF ATTACHING UNRESTRICTED BATTERY)




VIEW 2-1
 INDICATE A WINDOW
 TO EXPLAIN THAT
 UNRESTRICTED BATTERY
 EXISTS

UNRESTRICTED BATTERY
 IS ATTACHED IN THIS
 APPLICATION

VIEW 2-2
 INDICATE ANIMATION THAT
 LINES ON BATTERY ROTATES

UNRESTRICTED BATTERY
 UNDER ATTACHED



VIEW 2-3
 INDICATE CONDITION TO
 COMPLETE ATTACHMENT

UNRESTRICTED BATTERY
 ATTACHMENT COMPLETION


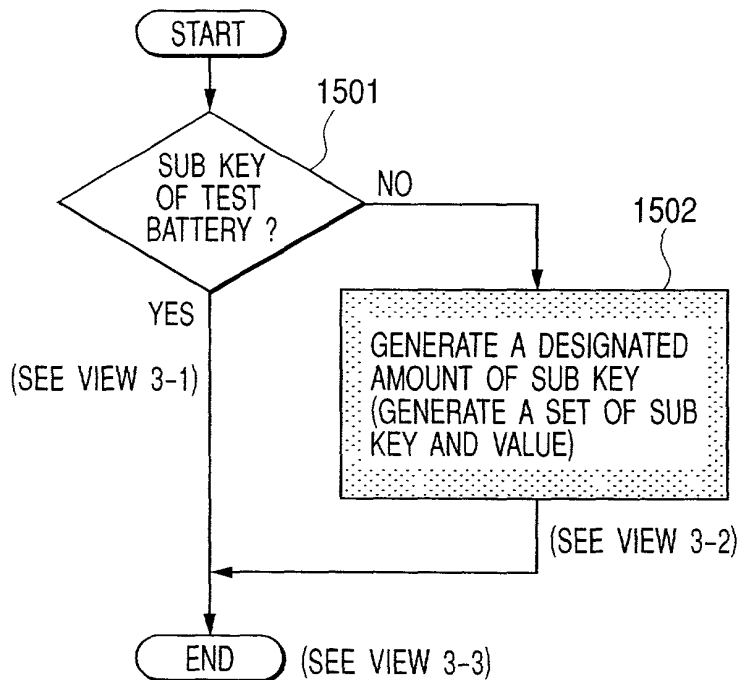


FIG. 15

IN CASE OF CHARGING TEST BATTERY
(→IN CASE OF ATTACHING TEST BATTERY)



VIEW 3-1
INDICATE A WINDOW
TO EXPLAIN THAT
TEST BATTERY EXISTS

THIS TEST BATTERY IS
ATTACHED IN THIS MACHINE
ADDITIONAL ATTACHMENT
CAN NOT BE ALLOWED

OK

HELP

VIEW 3-2
INDICATE ANIMATION THAT
LINES ON BATTERY ROTATES

TEST BATTERY UNDER
ATTACHED



CANCEL

VIEW 3-3
INDICATE CONDITION TO
COMPLETE ATTACHMENT

TEST BATTERY ATTACHMENT
COMPLETION



OK

FIG. 16

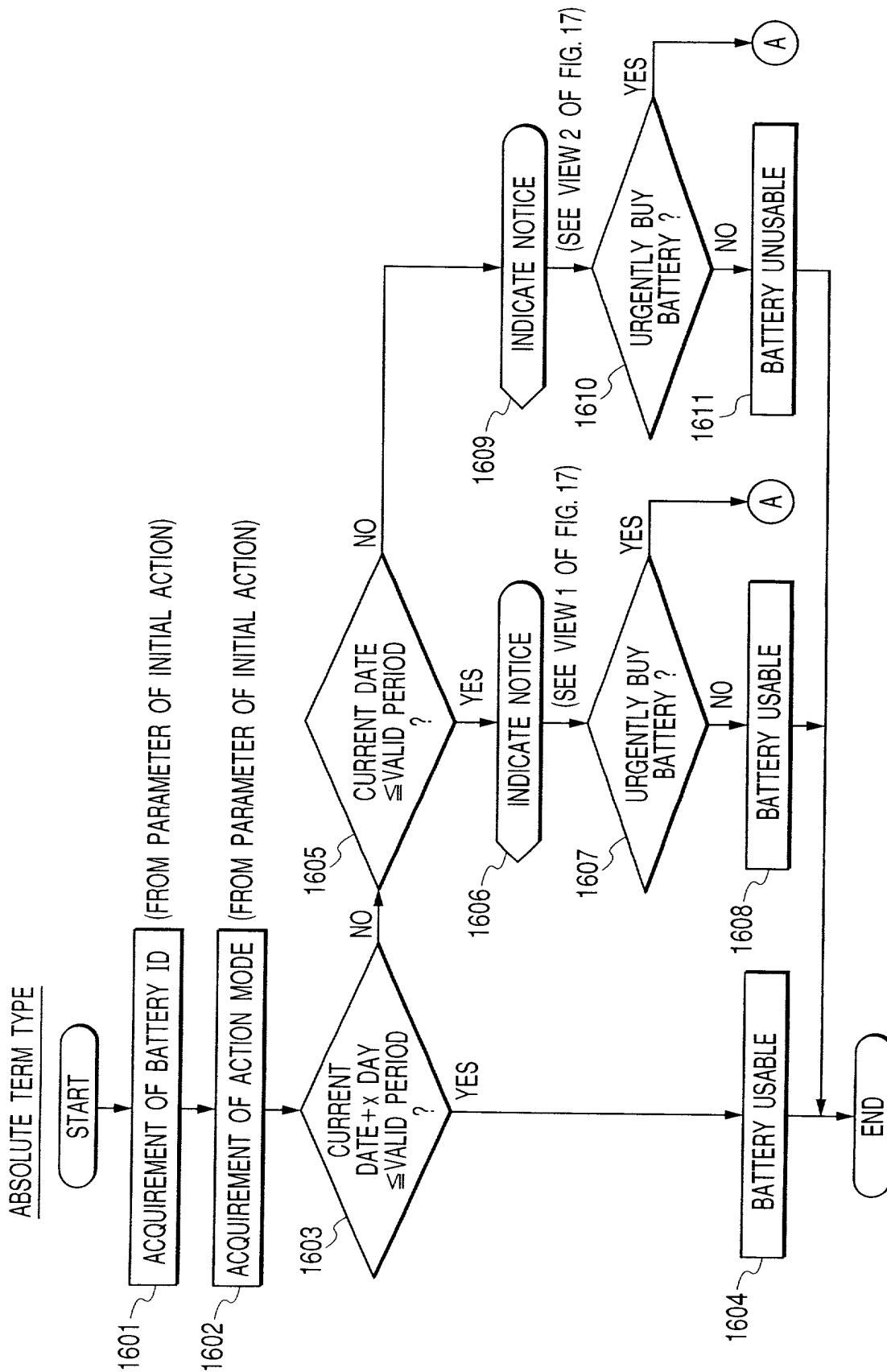


FIG. 17

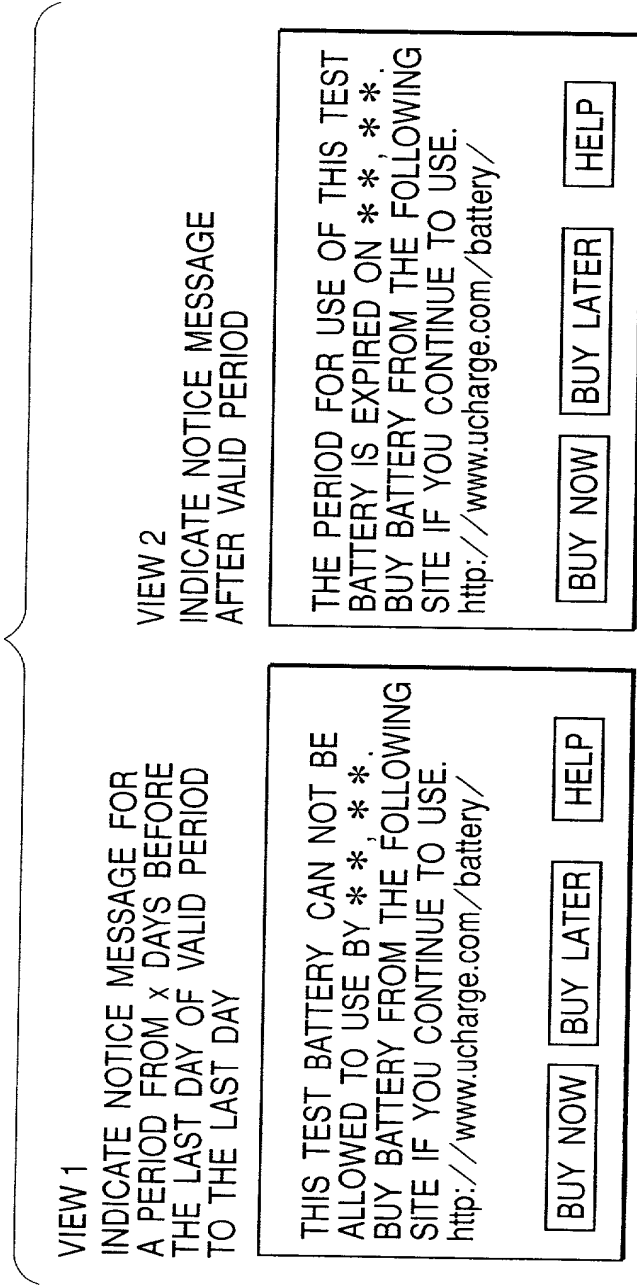


FIG. 18

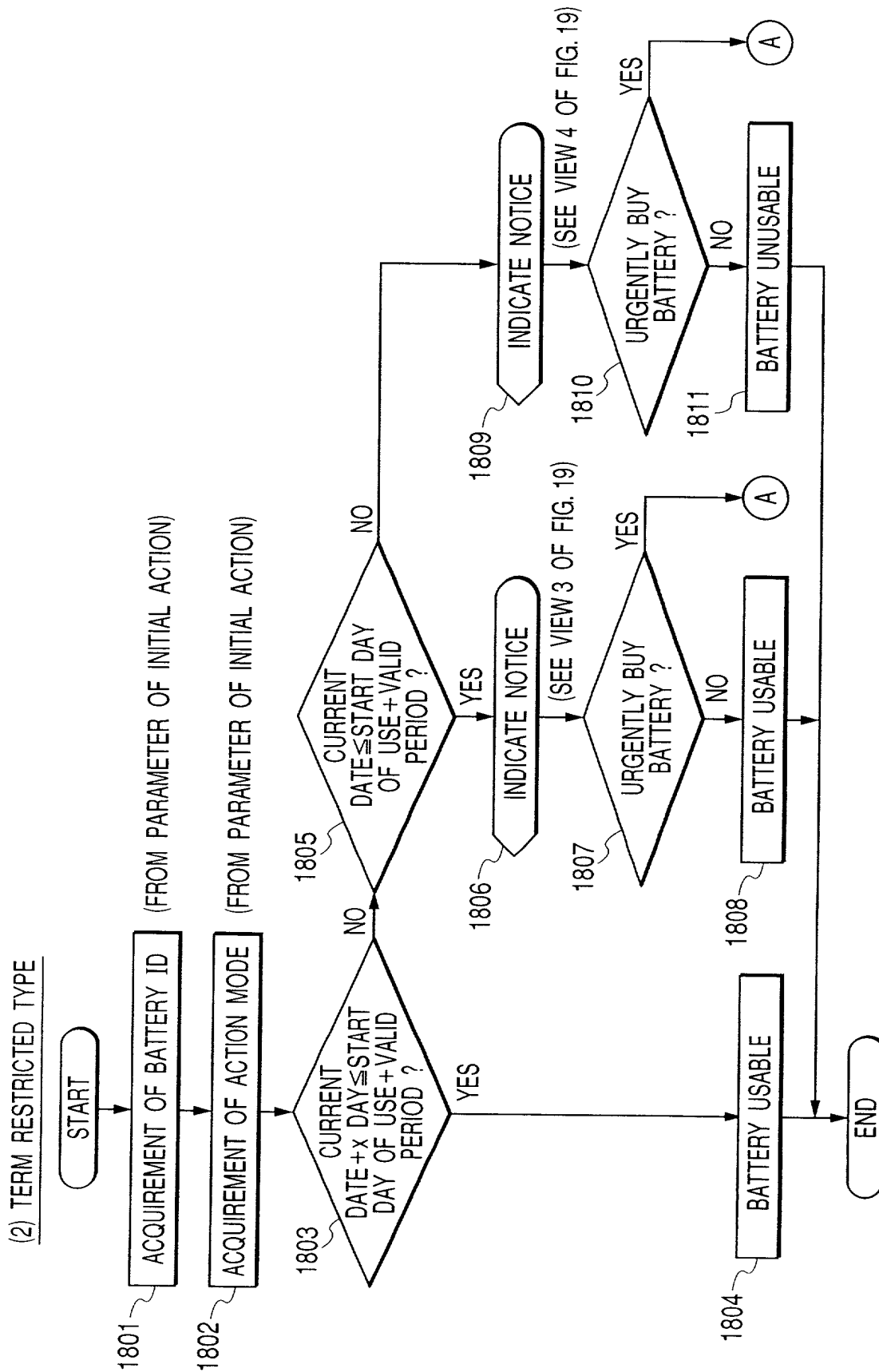


FIG. 19

INDICATE NOTICE MESSAGE FOR
A PERIOD FROM x DAYS BEFORE
THE LAST DAY OF VALID PERIOD
TO THE LAST DAY

INDICATE NOTICE MESSAGE
AFTER VALID PERIOD

BUY NOW BUY LATER HELP

BUY NOW BUY LATER HELP

FIG. 20

NO USE PERIOD TRIGGER TYPE: JUDGED BY THE LATEST DATE AND NO USE PERIOD

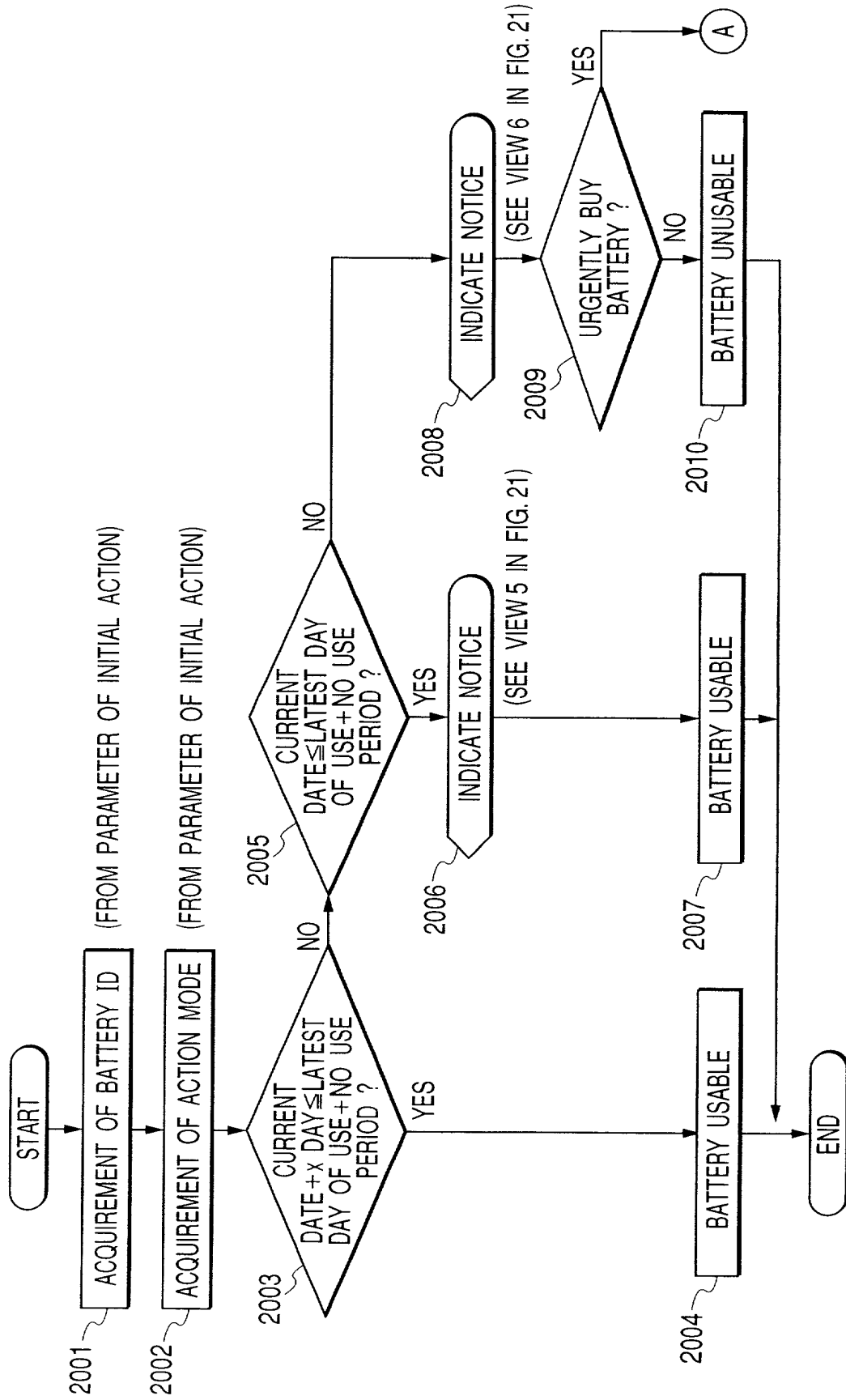


FIG. 21

VIEW 5

INDICATE NOTICE MESSAGE FOR
A PERIOD FROM x DAYS BEFORE
THE LAST DAY OF VALID PERIOD
TO THE LAST DAY

THIS TEST BATTERY HAS NOT BEEN
USED FOR THE LAST * MONTHS.
THIS BATTERY WILL BE INVALID IF
IT WILL NOT BE USED FOR
ANOTHER * DAYS.

CLOSE

HELP

VIEW 6

INDICATE NOTICE MESSAGE AFTER
NOT USED PERIOD

THIS TEST BATTERY IS INVALID
BECAUSE IT HAS NOT BEEN USED
FOR THE LAST * MONTHS.
BUY BATTERY FROM THE FOLLOWING
SITE IF YOU CONTINUE TO USE.
<http://www.ucharge.com/battery/>

BUY NOW

BUY LATER

HELP

FIG. 22

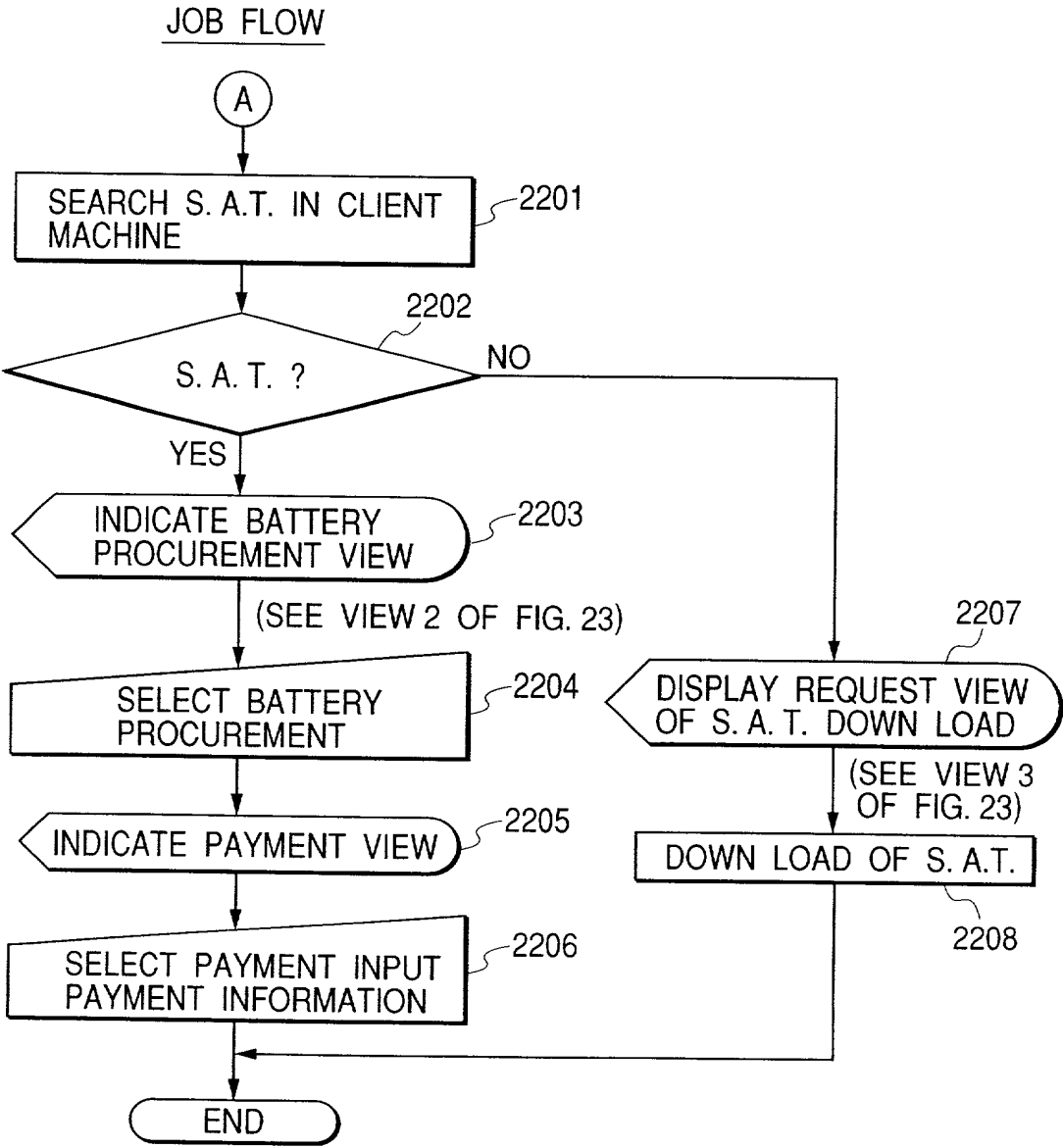



FIG. 23

VIEW 1

VIEW TO NOTIFY THAT
REMAINING AMOUNT OF
BATTERY IS 0

| | |
|---|--------------|
|  | BATTERY DOWN |
| <input checked="" type="checkbox"/> | BUY NOW |
| <input type="checkbox"/> | BUY LATER |
| <input type="button" value="OK"/> <input type="button" value="HELP"/> | |

VIEW 2

S.A.T. VIEW

| | | | | | | | | | | | | | |
|---|---|-------------------------------------|--------|---|--------|-------------------------------------|------|---|--------|-------------------------------------|--------|---|---------|
| <p>ABCD TRADE</p> <p>BATTERY SALES SITE</p> <p><input type="button" value="BUY"/></p> <p><input type="button" value="CONNECT"/></p> <p><input type="button" value="HALT"/></p> <p><input type="button" value="SET"/></p> <p><input type="button" value="HELP"/></p> <p><input type="button" value="END"/></p> | <p>DISPLAY AREA OF NOTIFICATION FROM SITE</p> <p>BATTERY LIST DISPLAY AREA</p> <table border="0"> <tr> <td><input type="checkbox"/> AAA NORMAL</td> <td>¥2,800</td> </tr> <tr> <td><input type="checkbox"/> AAA UNRESTRICTED</td> <td>¥9,800</td> </tr> <tr> <td><input type="checkbox"/> BBB NORMAL</td> <td>¥980</td> </tr> <tr> <td><input type="checkbox"/> BBB UNRESTRICTED</td> <td>¥4,980</td> </tr> <tr> <td><input type="checkbox"/> CCC NORMAL</td> <td>¥3,000</td> </tr> <tr> <td><input type="checkbox"/> CCC UNRESTRICTED</td> <td>¥15,000</td> </tr> </table> | <input type="checkbox"/> AAA NORMAL | ¥2,800 | <input type="checkbox"/> AAA UNRESTRICTED | ¥9,800 | <input type="checkbox"/> BBB NORMAL | ¥980 | <input type="checkbox"/> BBB UNRESTRICTED | ¥4,980 | <input type="checkbox"/> CCC NORMAL | ¥3,000 | <input type="checkbox"/> CCC UNRESTRICTED | ¥15,000 |
| <input type="checkbox"/> AAA NORMAL | ¥2,800 | | | | | | | | | | | | |
| <input type="checkbox"/> AAA UNRESTRICTED | ¥9,800 | | | | | | | | | | | | |
| <input type="checkbox"/> BBB NORMAL | ¥980 | | | | | | | | | | | | |
| <input type="checkbox"/> BBB UNRESTRICTED | ¥4,980 | | | | | | | | | | | | |
| <input type="checkbox"/> CCC NORMAL | ¥3,000 | | | | | | | | | | | | |
| <input type="checkbox"/> CCC UNRESTRICTED | ¥15,000 | | | | | | | | | | | | |
| <p>THE CONTENTS OF THE PRODUCT IS IN :</p> <p>http://www.abcde.co.jp/product/</p> | <p>INQUIRY IS TO:</p> <p>info@abcde.co.jp</p> | | | | | | | | | | | | |

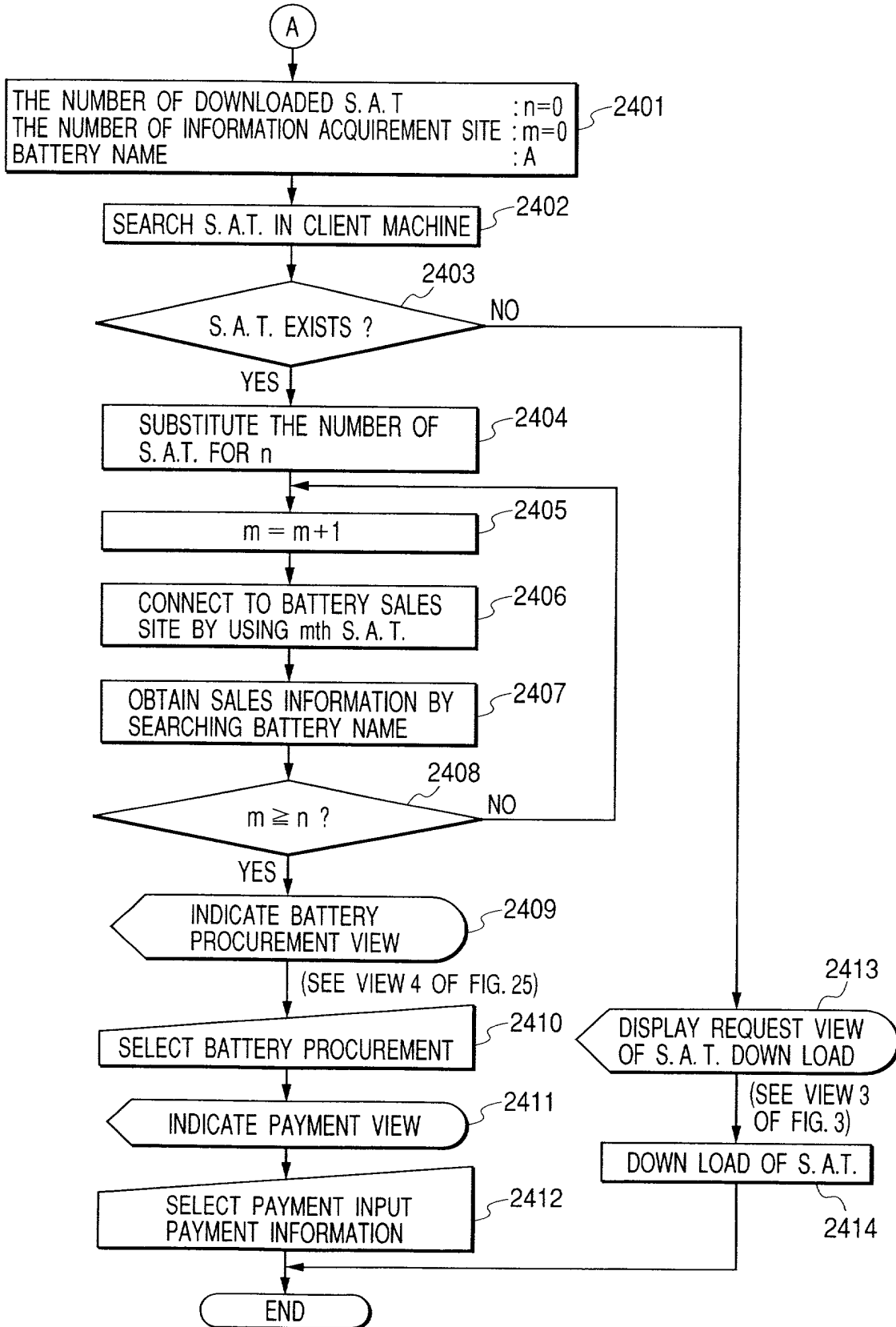
VIEW 3

REQUEST VIEW OF S.A.T. DOWN LOAD

| |
|---|
| <p>DOWN LOAD S.A.T. FOR ABCDEFG FROM THE FOLLOWING SITE</p> <p>http://www.ucharge.com/sat/</p> <p> <input type="button" value="CANCEL"/> <input type="button" value="HELP"/> </p> |
|---|

JOB FLOW

FIG. 24



UI (USER INTERFACE)
VIEW 4

BATTERY PROCUREMENT VIEW
LIST UP BATTERY INFORMATION
FOR PROCUREMENT SEARCHED
IN ALL S.A.T. IN CLIENT MACHINE

BATTERY NAME : ABCDEFG

| SALES SITE | TYPE | PRICE |
|---------------|--------------|--------|
| YYY | NORMAL | ¥5,000 |
| PPP | NORMAL | ¥4,800 |
| PPP | UNRESTRICTED | ¥9,800 |

VIEW 3
REQUEST VIEW OF S.A.T. DOWN LOAD

DOWNLOAD S.A.T. FOR ABCDEFG
FROM THE FOLLOWING SITE

<http://www.ucharge.com/sat/>

FIG. 25

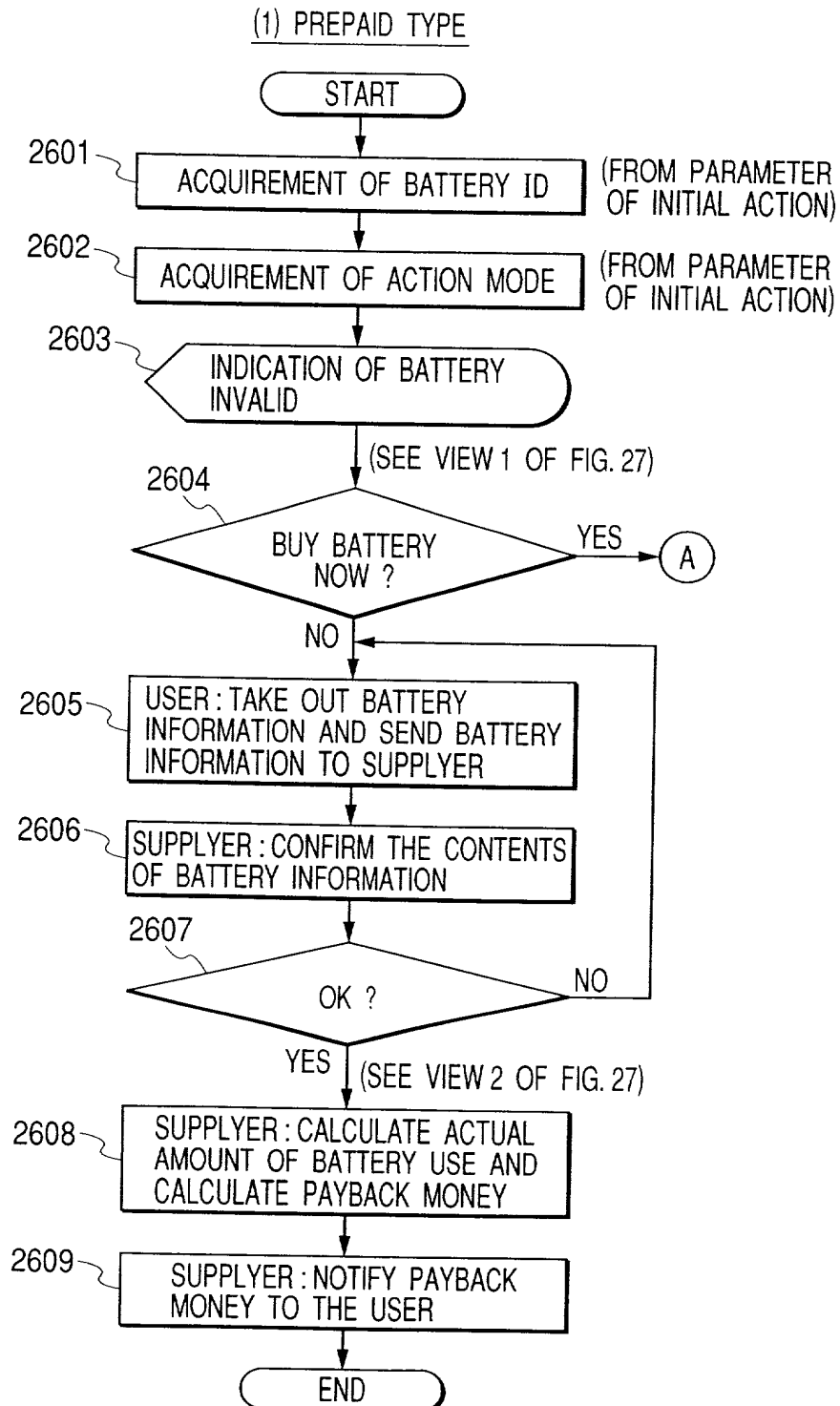
FIG. 26

FIG. 27

VIEW 2

DISPLAY NOTIFICATION MESSAGE TO
SUPPLYE'S MACHINE IN CASE THAT
CONTENTS HAS ABNORMAL BY
CONFIRMING OF BATTERY INFORMATION.
DISPLAY ERROR CODE BY CLICKING "DETAIL"

DATA CAN NOT BE READ IN FROM
THIS BATTERY INFORMATION.
REOBTAIN BATTERY INFORMATION
FROM A USER.

CLOSE

DETAIL

VIEW 1

DISPLAY A MESSAGE TO NOTIFY
THAT NORMAL BATTERY IS INVALID

NORMAL BATTERY OF THIS
SOFTWARE IS INVALID ON **, ***,
BUY BATTERY IF YOU CONTINUE TO
USE.

BUY NOW

BUY LATER

HELP

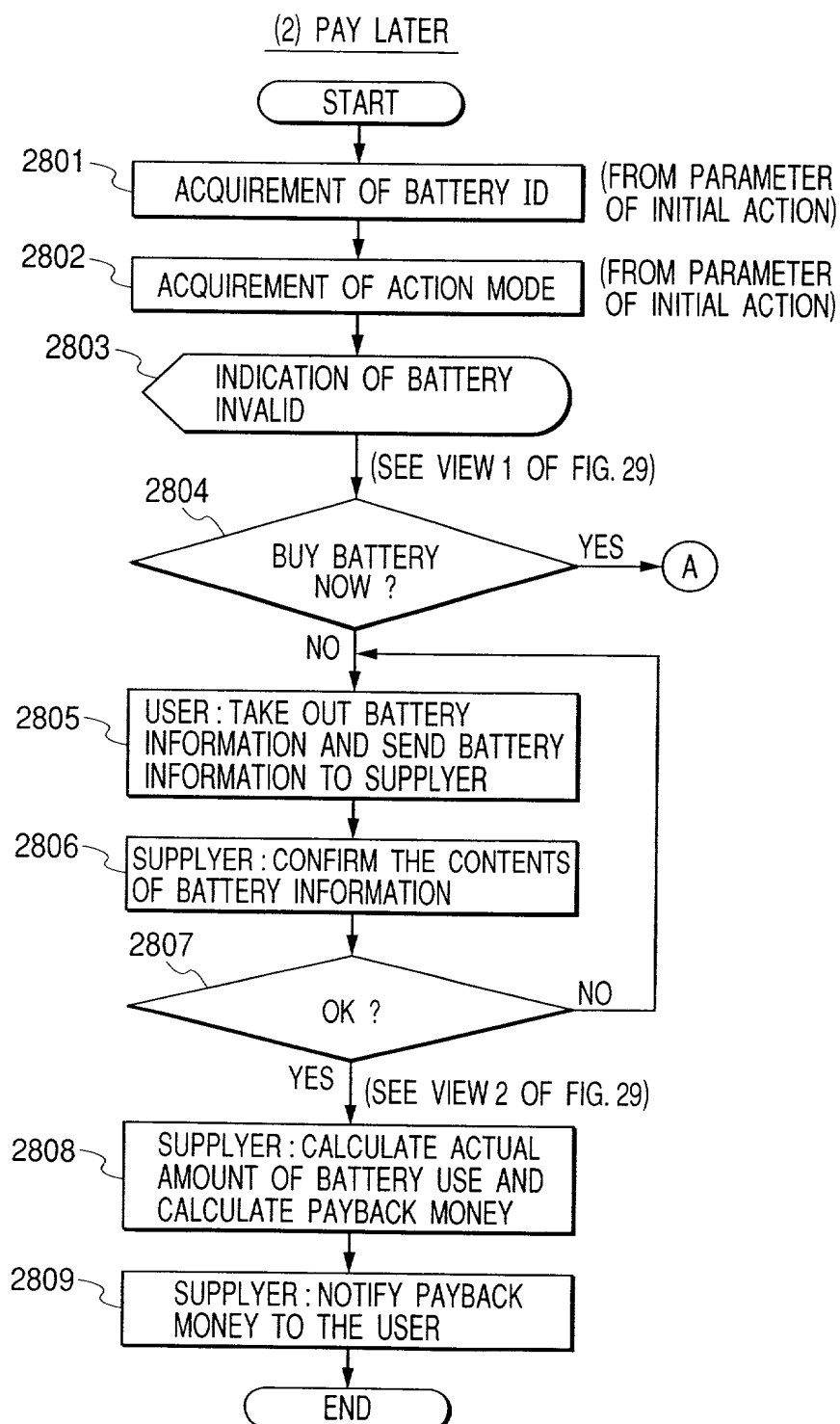
FIG. 28

FIG. 29

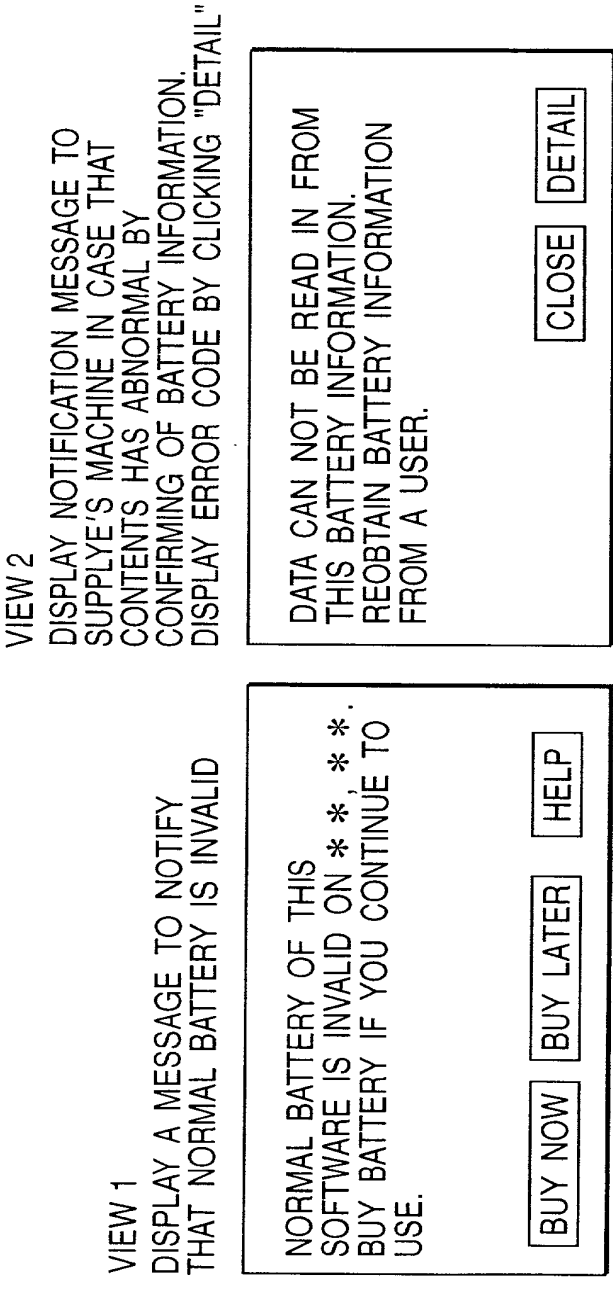


FIG. 30

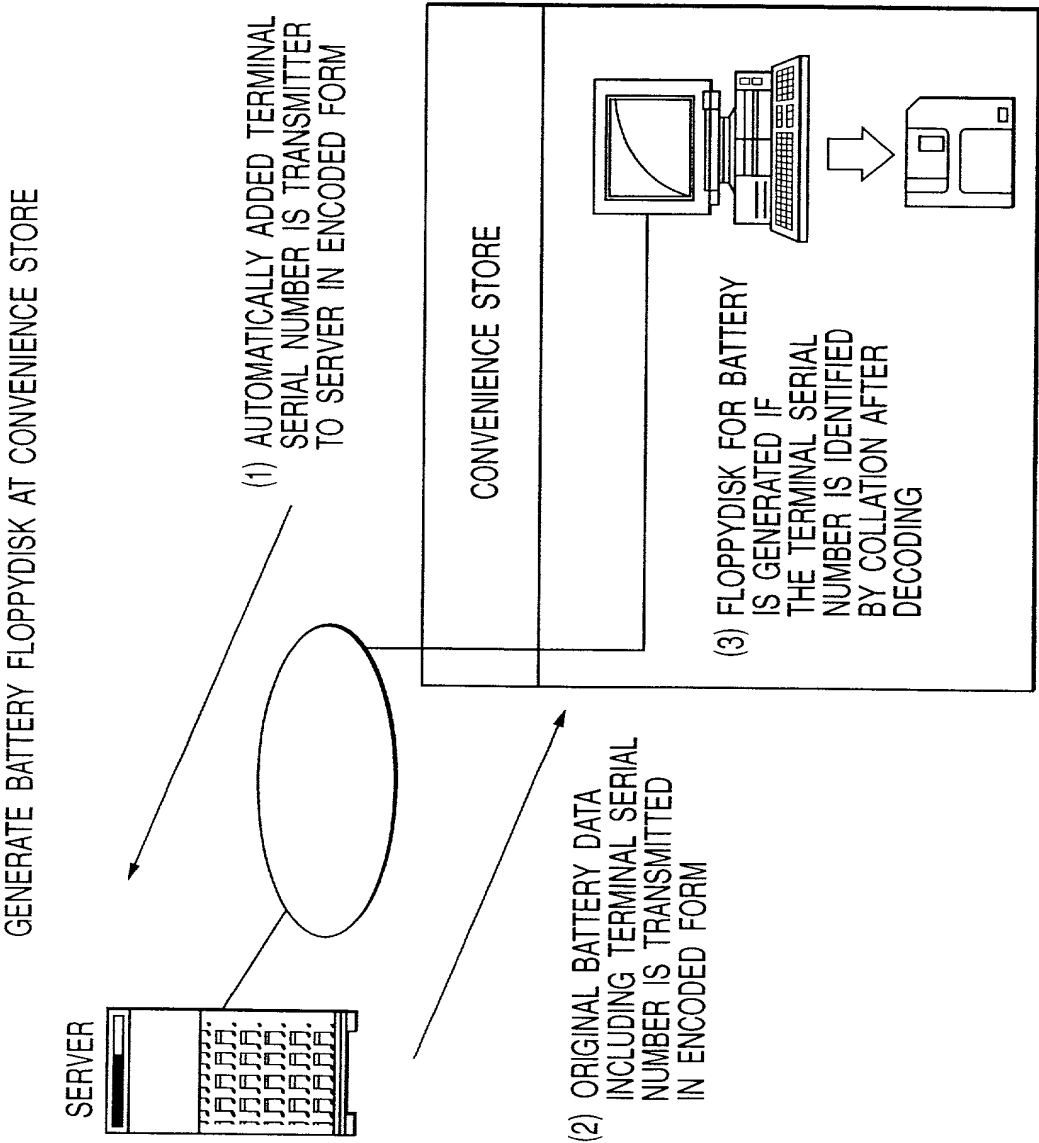


FIG. 31

INITIAL DATA TRANSMITTED FROM TERMINAL TO SERVER

| | | | | |
|--------------------------|-------------------------|------|-------------------|-------------------|
| APPLICATION TYPE CODE | CATEGORY FOR PAYMENT | NAME | (CREDIT CARD NO.) | (VALID PERIOD) |
|--------------------------|-------------------------|------|-------------------|-------------------|

| | | | | |
|--------------------------|-------------------------|---------|--------------------|---------|
| APPLICATION TYPE CODE | CATEGORY FOR PAYMENT | (BLANK) | (PREPAID CARD NO.) | (BLANK) |
|--------------------------|-------------------------|---------|--------------------|---------|

| | | | | | |
|--------------------------|-----------------------------|-------------------------|------|-------------------|-------------------|
| APPLICATION TYPE CODE | SERIAL NO. FOR TRIAL USE | CATEGORY FOR PAYMENT | NAME | (CREDIT CARD NO.) | (VALID PERIOD) |
|--------------------------|-----------------------------|-------------------------|------|-------------------|-------------------|

TERMINAL SERIAL NO. TABLE

| | |
|---------------------|--|
| TERMINAL SERIAL NO. | MAC ADDRESS OF LAN ADAPTER (OR TERMINAL IP ADDRESS) |
|---------------------|--|

ORIGINAL BATTERY DATA (ENCODED)

| | | |
|---------------------|--------------------------|----------|
| TERMINAL SERIAL NO. | APPLICATION TYPE CODE | KEY CODE |
|---------------------|--------------------------|----------|

ORIGINAL BATTERY DATA (ENCODED)

| | |
|--------------------------|----------|
| APPLICATION TYPE CODE | KEY CODE |
|--------------------------|----------|

FIG. 32

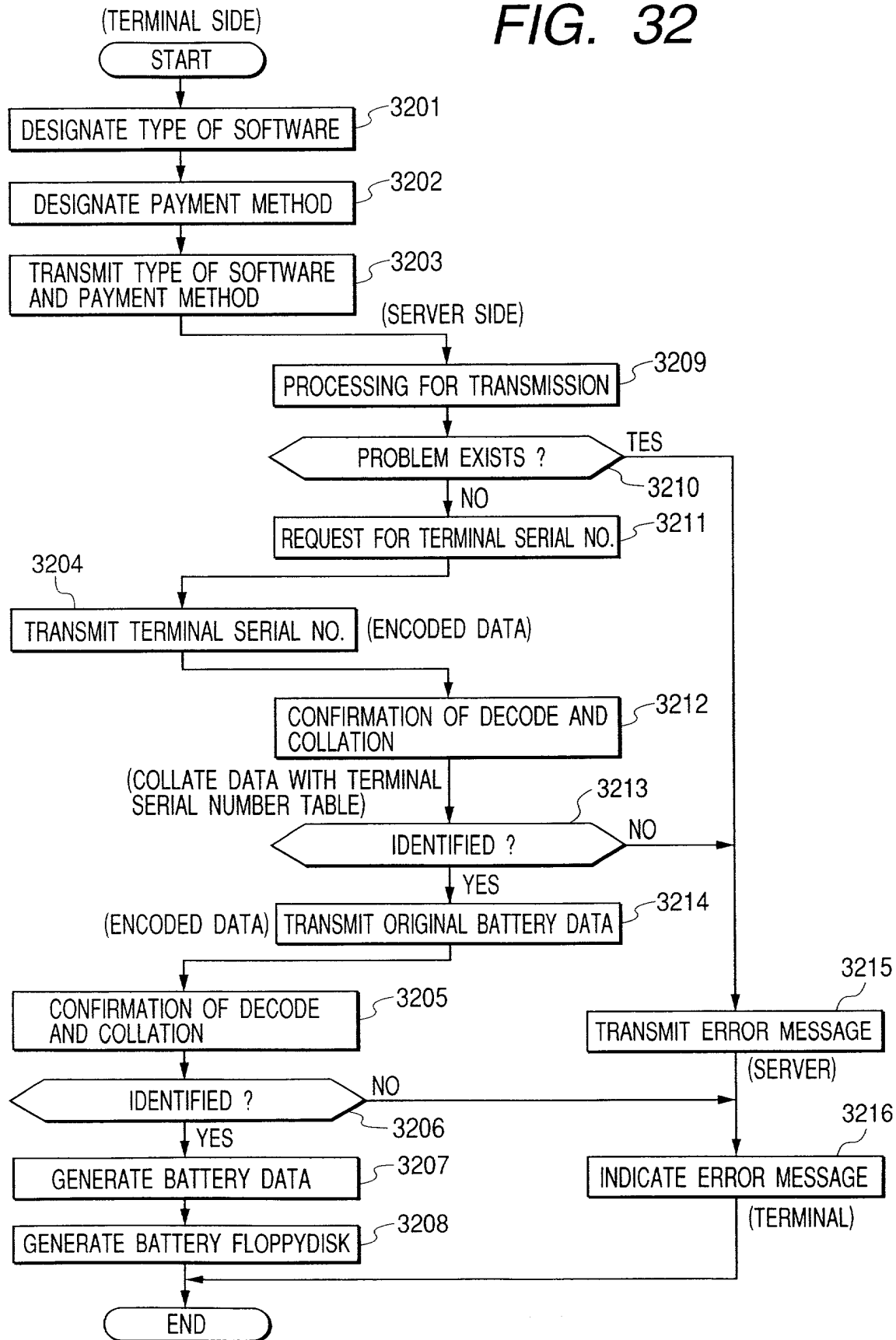


FIG. 33

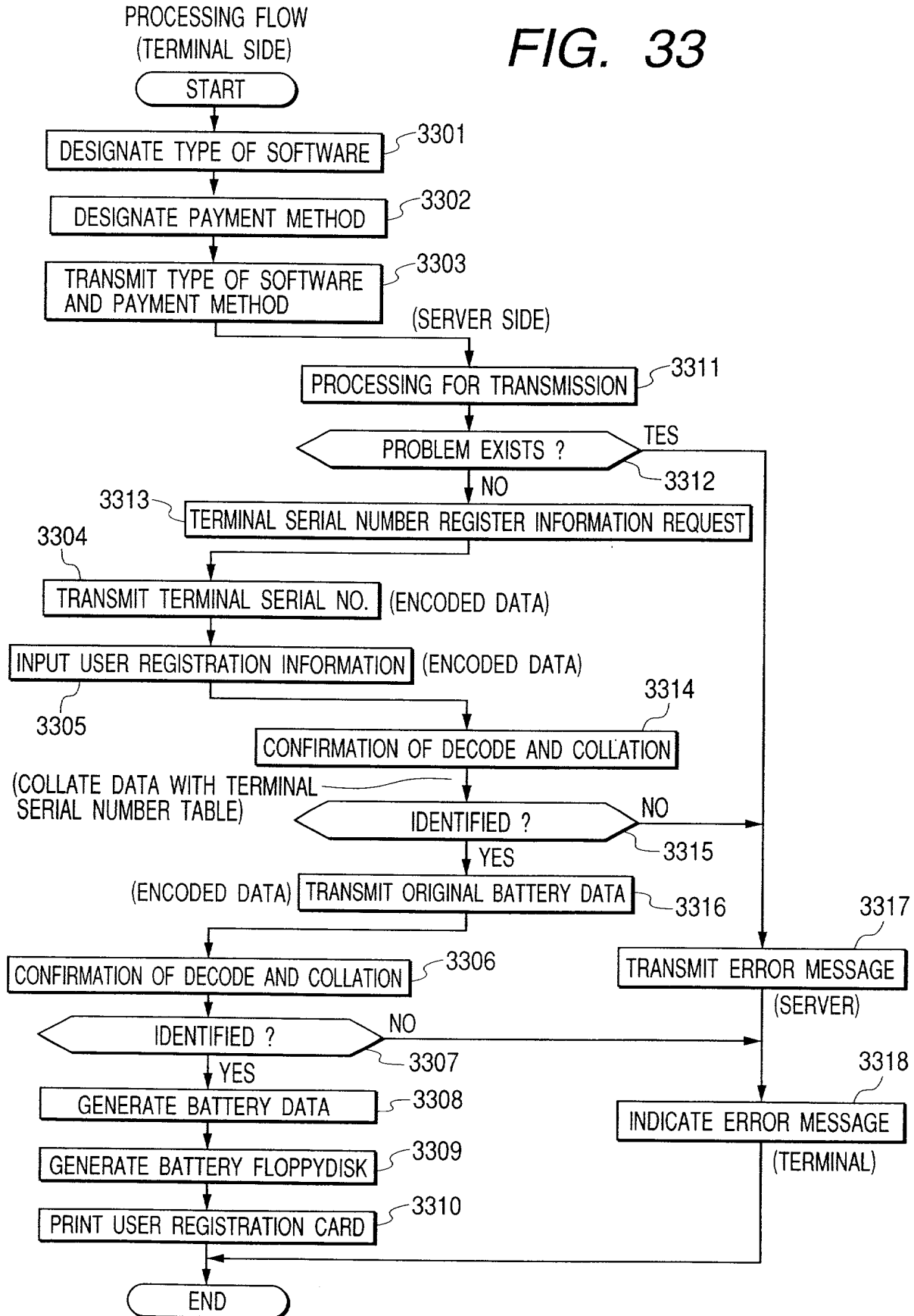


FIG. 34

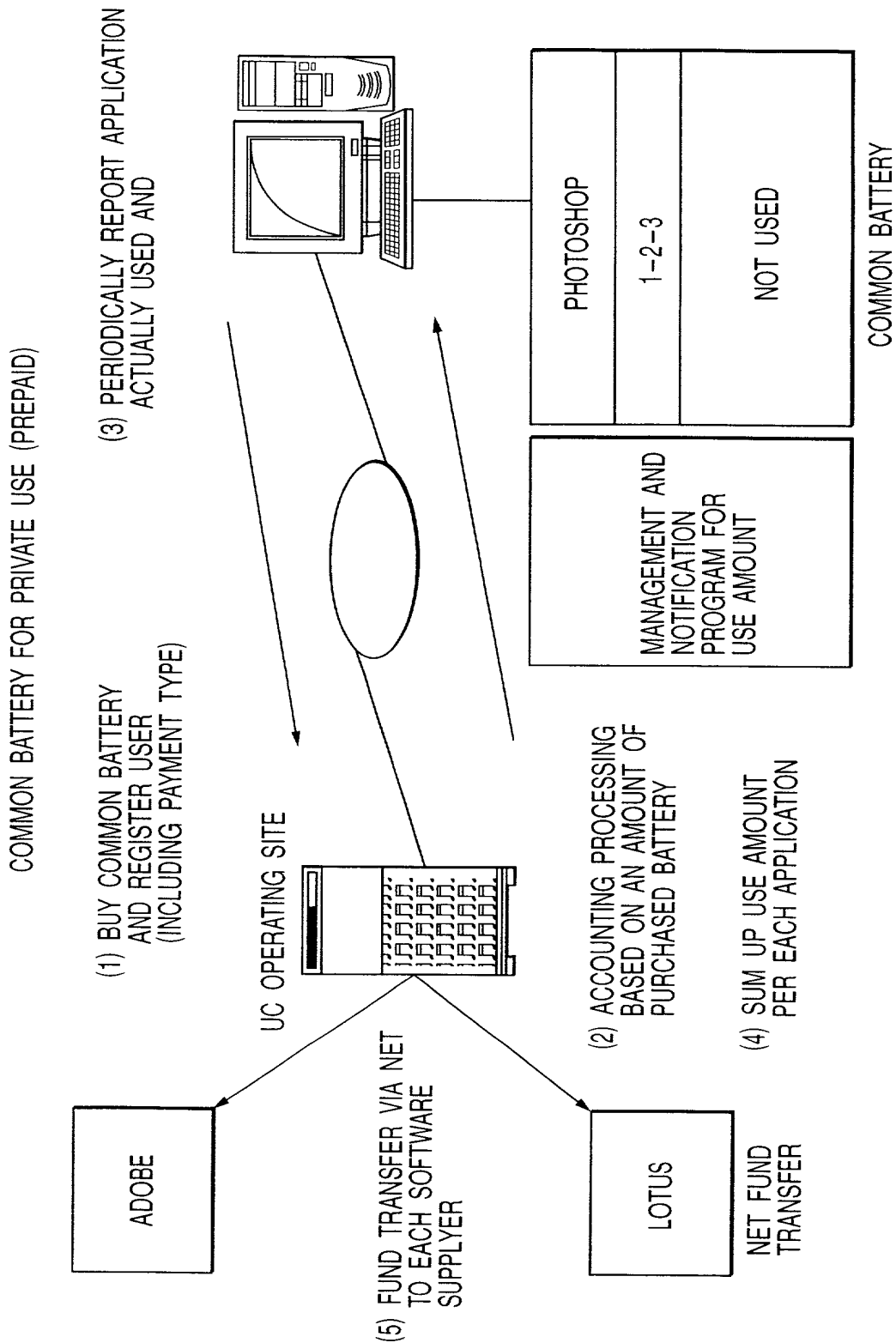


FIG. 35

PROCESSING FLOW (PREPAID)

1. INITIAL PROCESSING

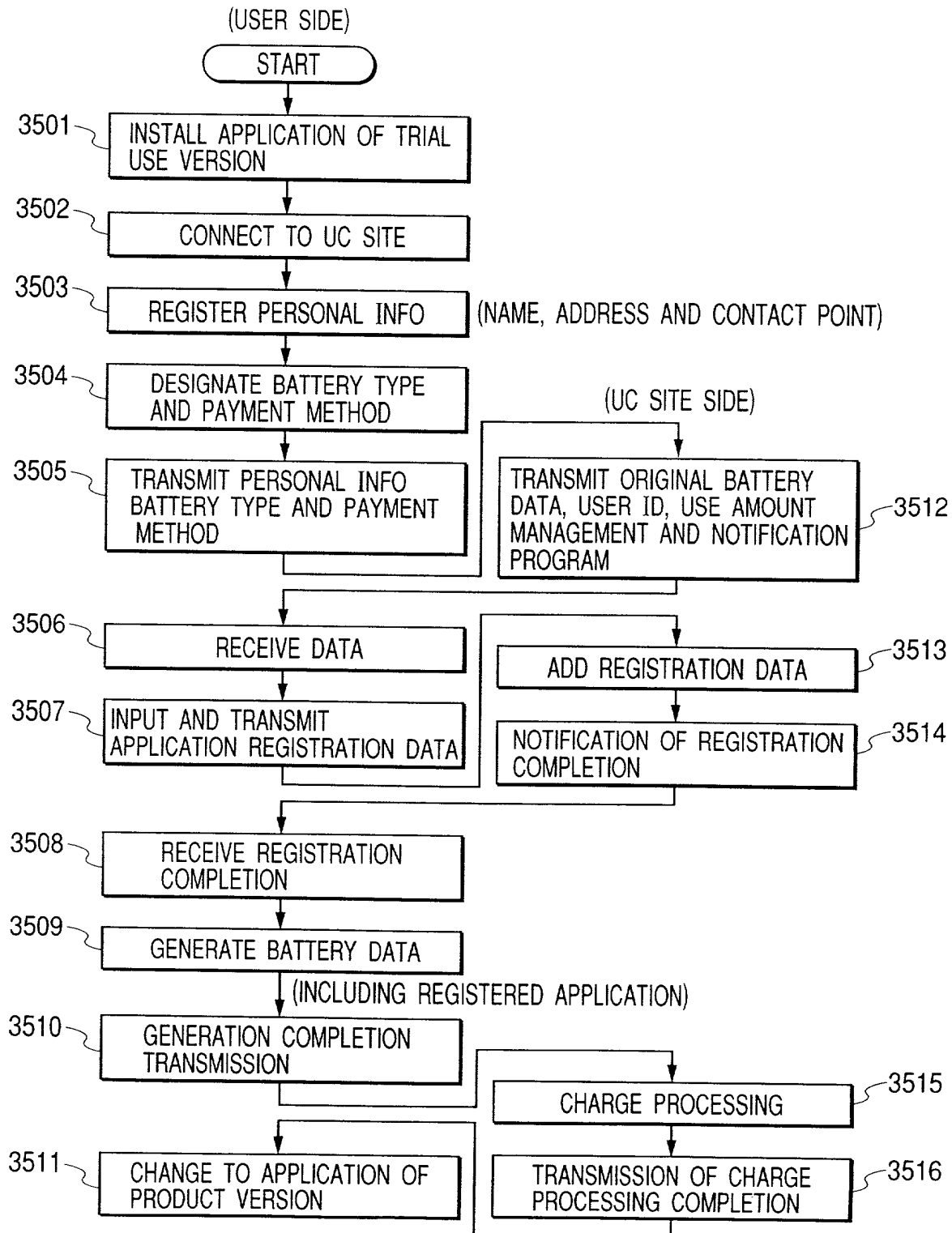
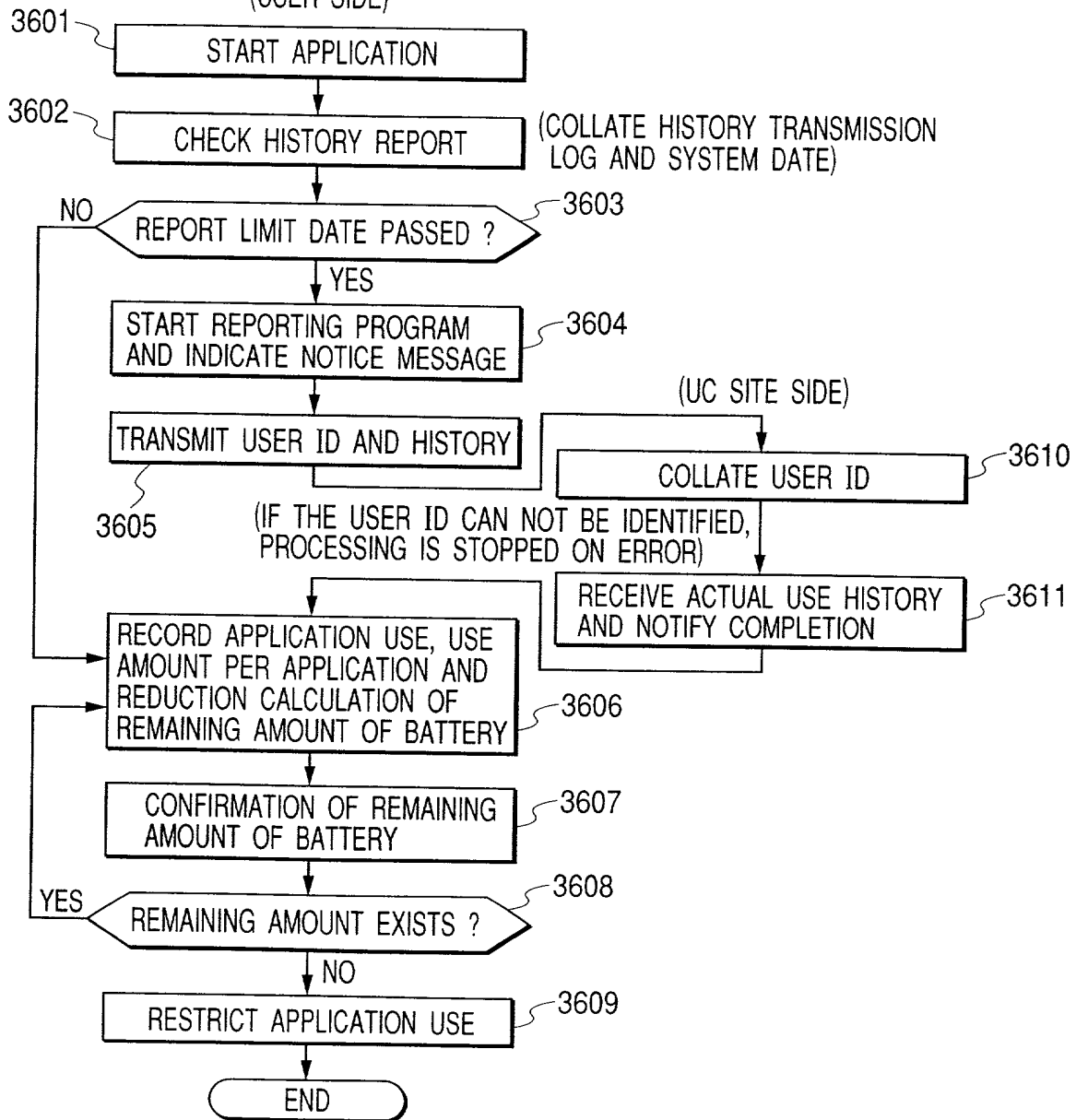


FIG. 36

2. PROCESSING UNDER USE OF APPLICATION

(USER SIDE)



3. SUM-UP AND FUND TRANSFER PROCESSING OF UC SITE SIDE

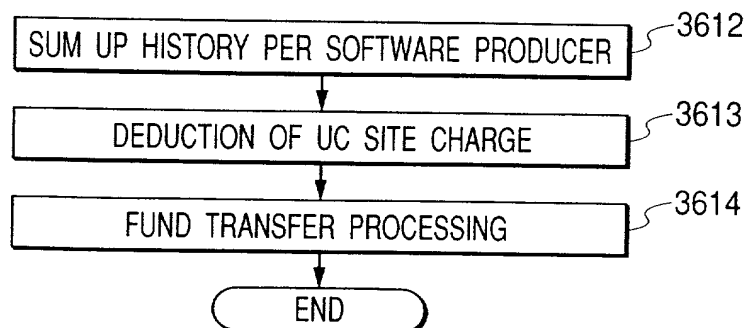


FIG. 37

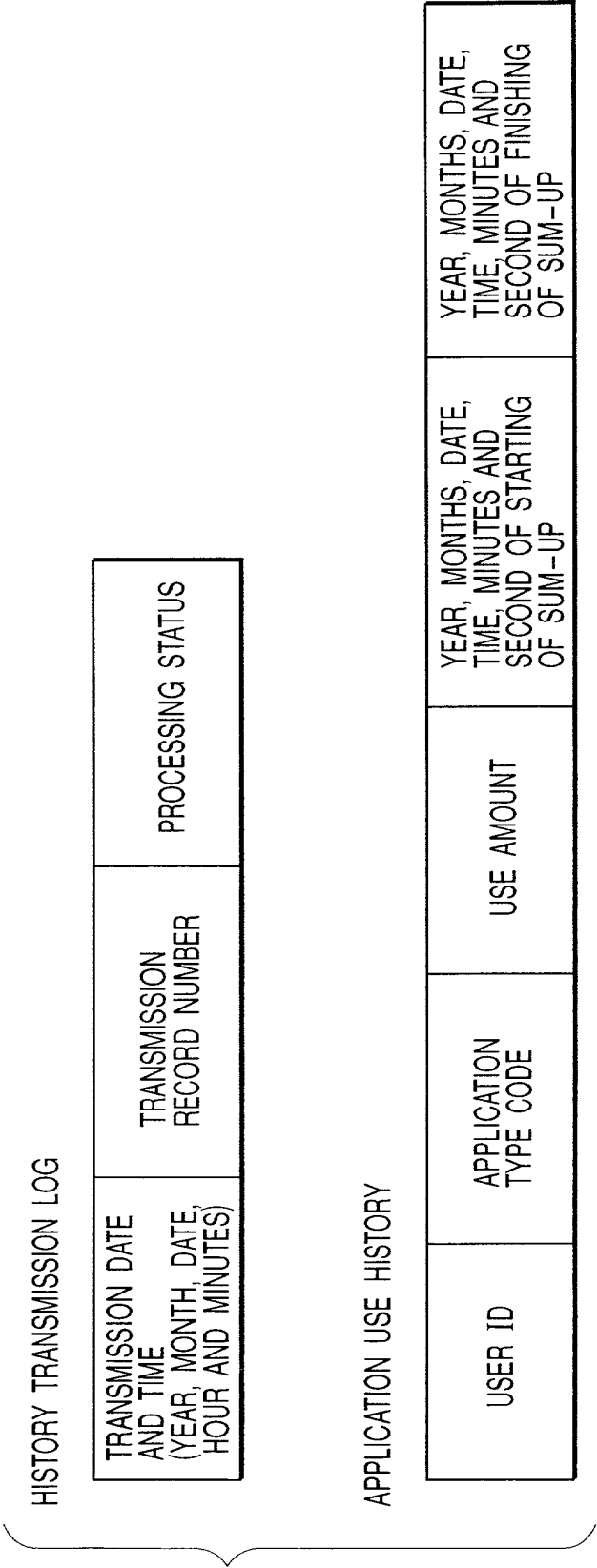


FIG. 38

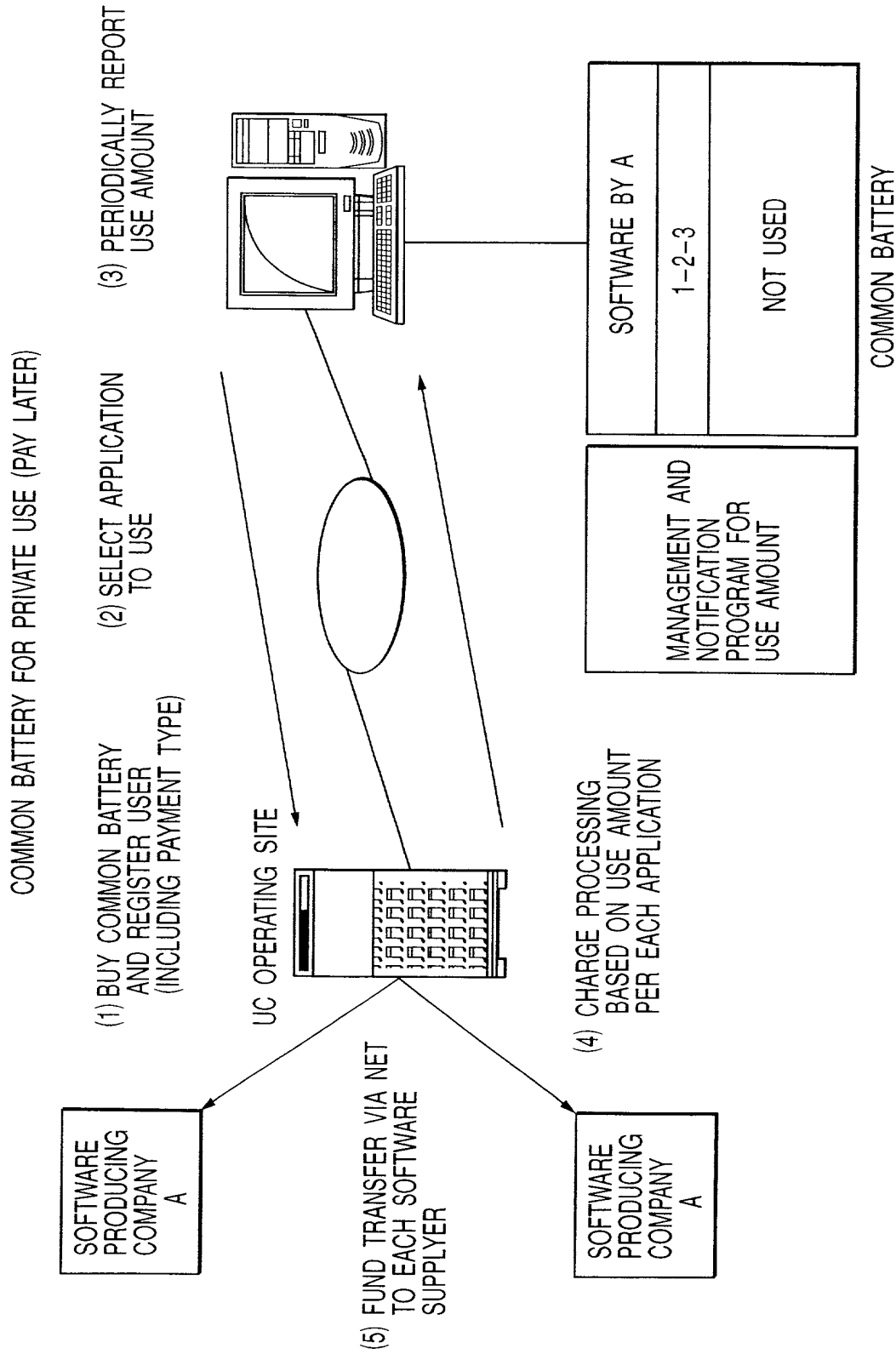


FIG. 39

PROCESSING FLOW (PAY LATER)

1. INITIAL PROCESSING

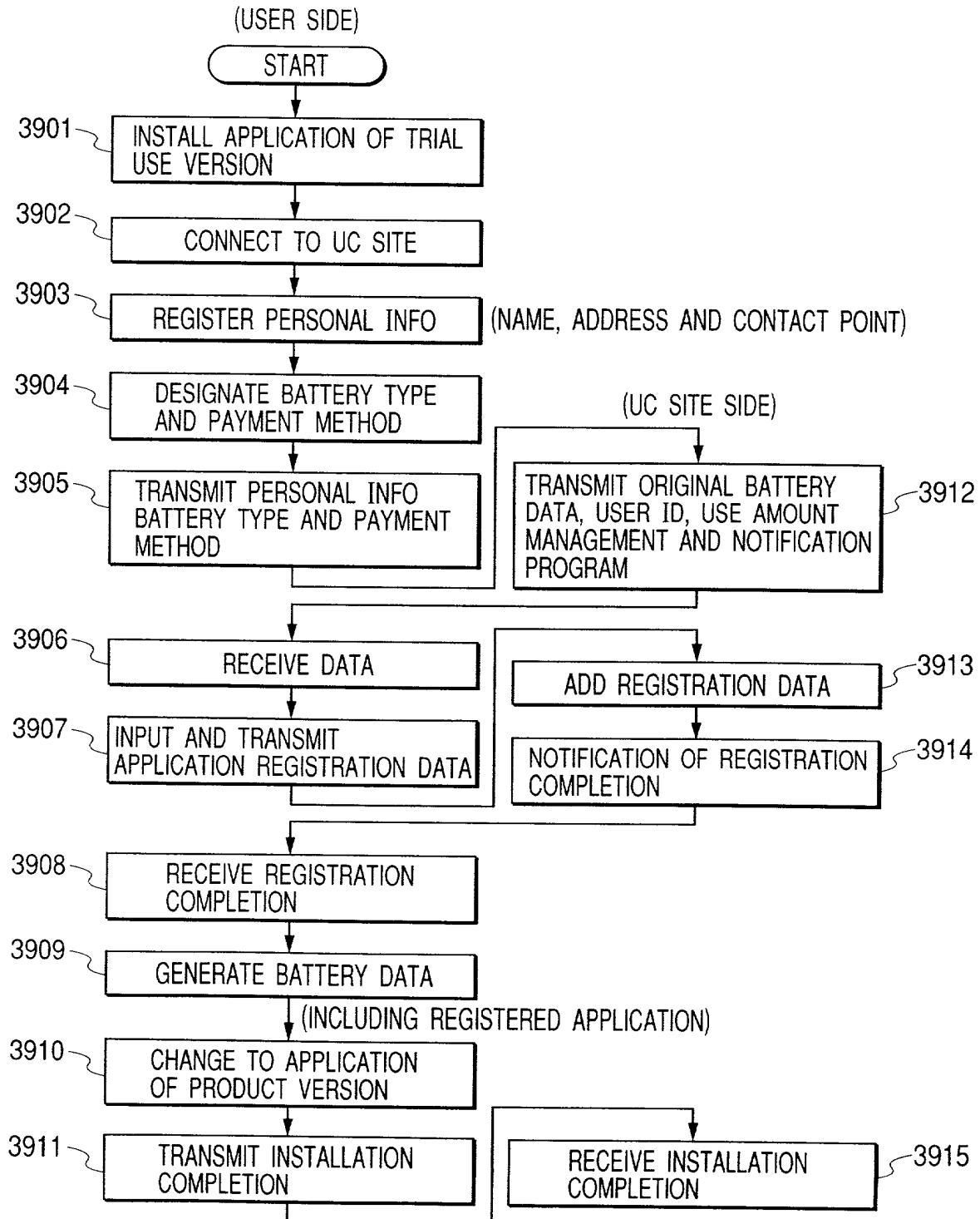


FIG. 40

2. PROCESSING UNDER USE OF APPLICATION

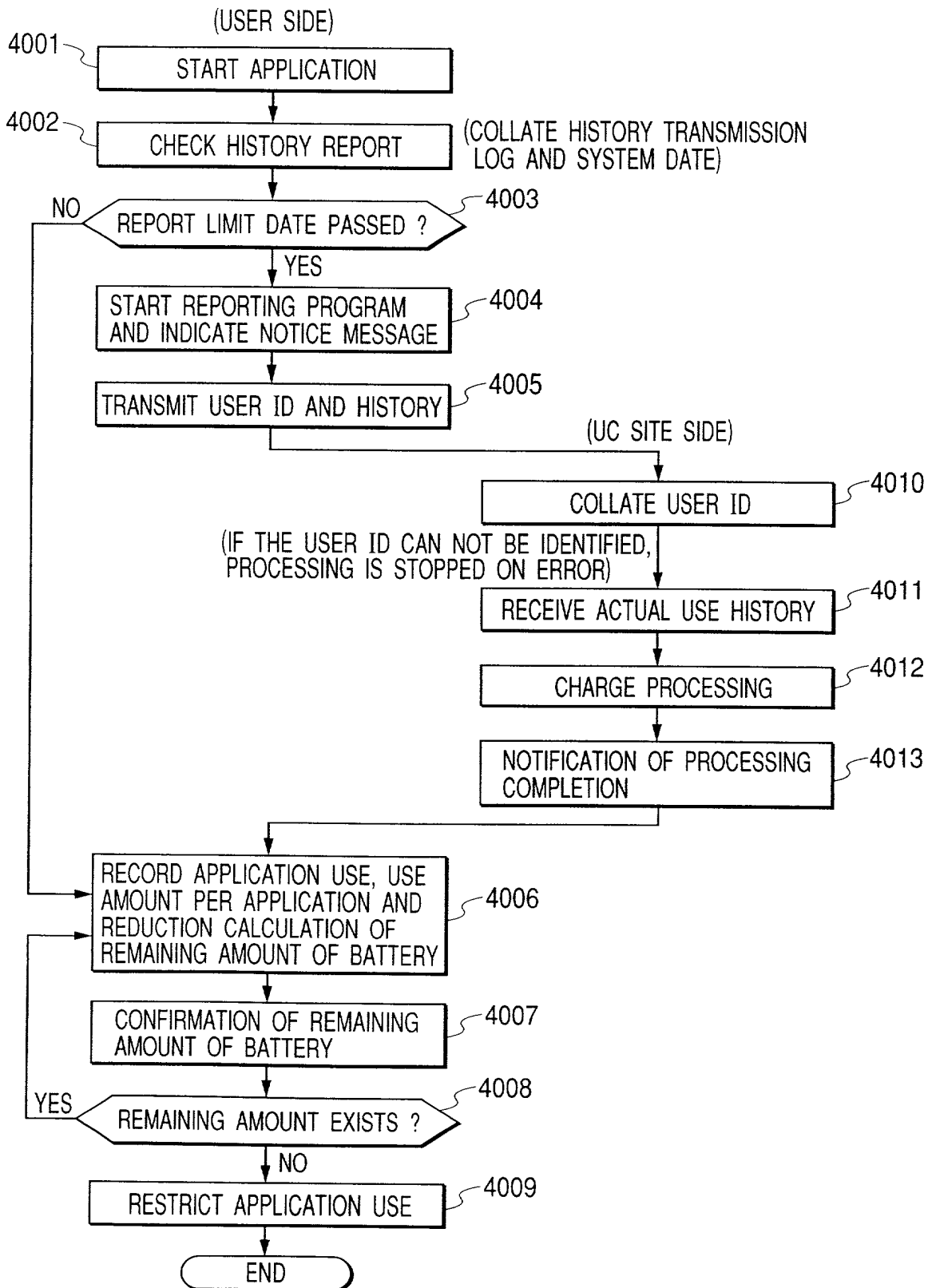


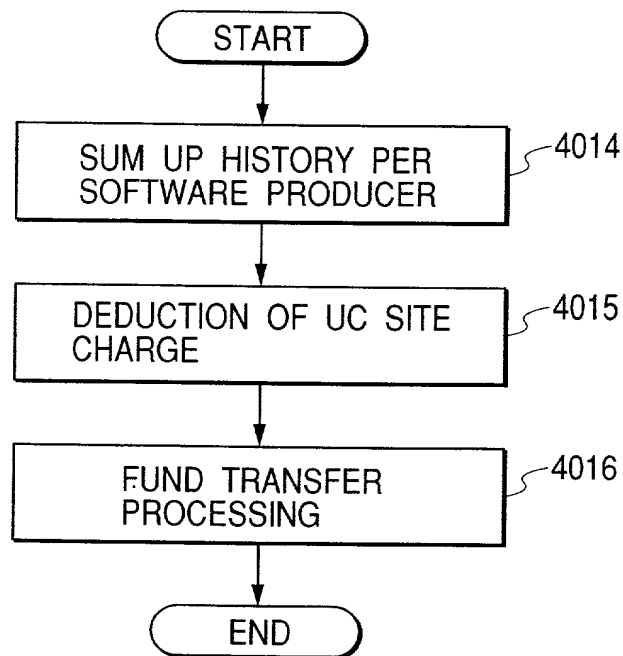
FIG. 41

FIG. 42

ASP SERVER FOR UC (PAY LATER)

- (1) BUY BATTERY FOR SPECIAL USE AND REGISTER USER (INCLUDING PAYMENT TYPE)
- (2) APPLICATION IS USED VIA INTERNET

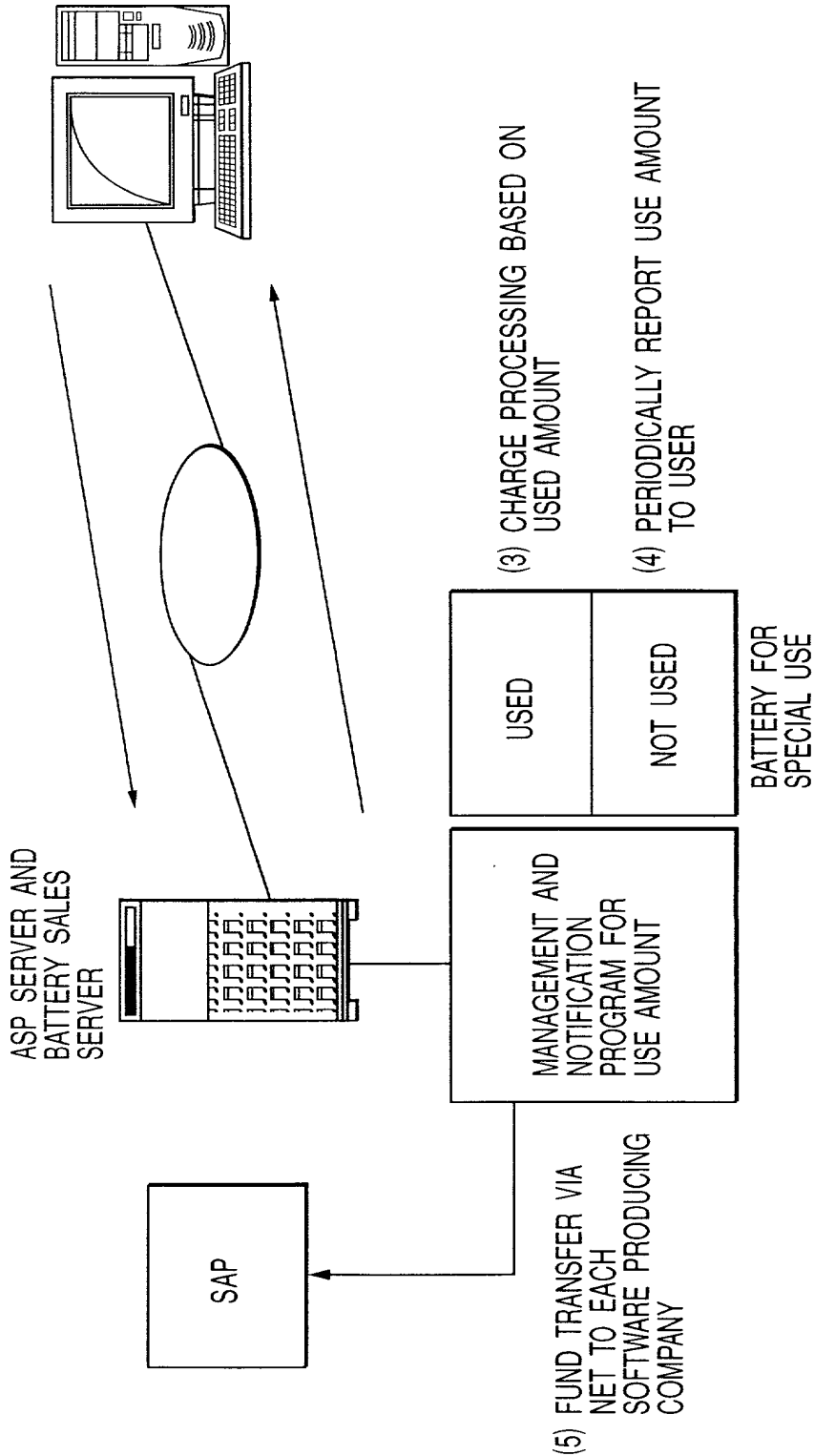


FIG. 43

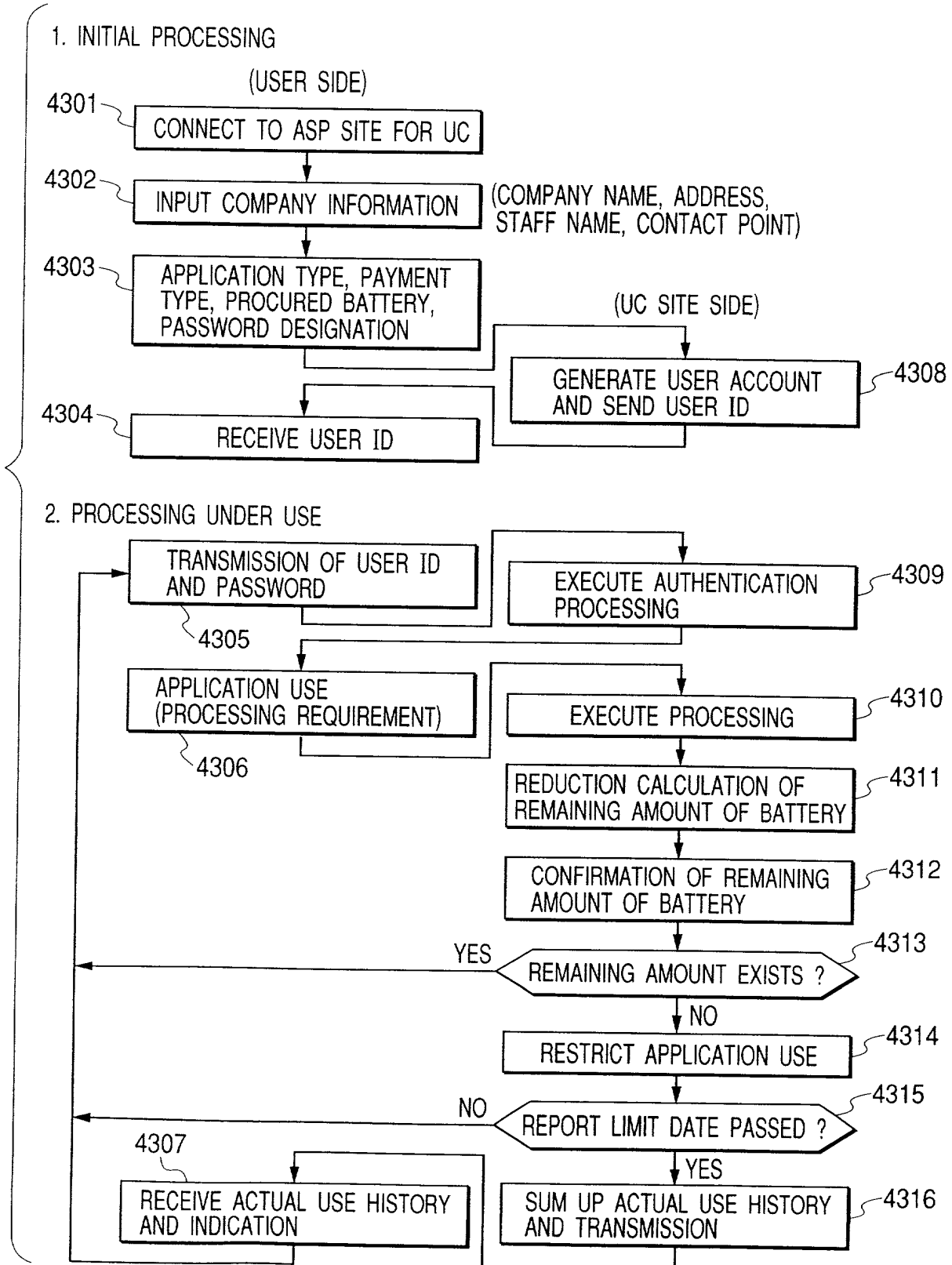


FIG. 44

APPLICATION USE HISTORY

| USER ID | | APPLICATION TYPE CODE | USE AMOUNT | YEAR, MONTHS, DATE, TIME, MINUTES AND SECOND OF STARTING OF SUM-UP | YEAR, MONTHS, DATE, TIME, MINUTES AND SECOND OF FINISHING OF SUM-UP |
|-----------------|----------------|--------------------------|------------|--|---|
| COMPANY CODE | PERSONAL ID | | | | |

FIG. 45

INITIAL DATA TRANSMITTED FROM USER SIDE TO SAT SERVER

| APPLICATION TYPE CODE | CATEGORY FOR PAYMENT | NAME | (CREDIT CARD NO.) | (VALID PERIOD) |
|--------------------------|-------------------------|------|-------------------|----------------|
|--------------------------|-------------------------|------|-------------------|----------------|

FIG. 46

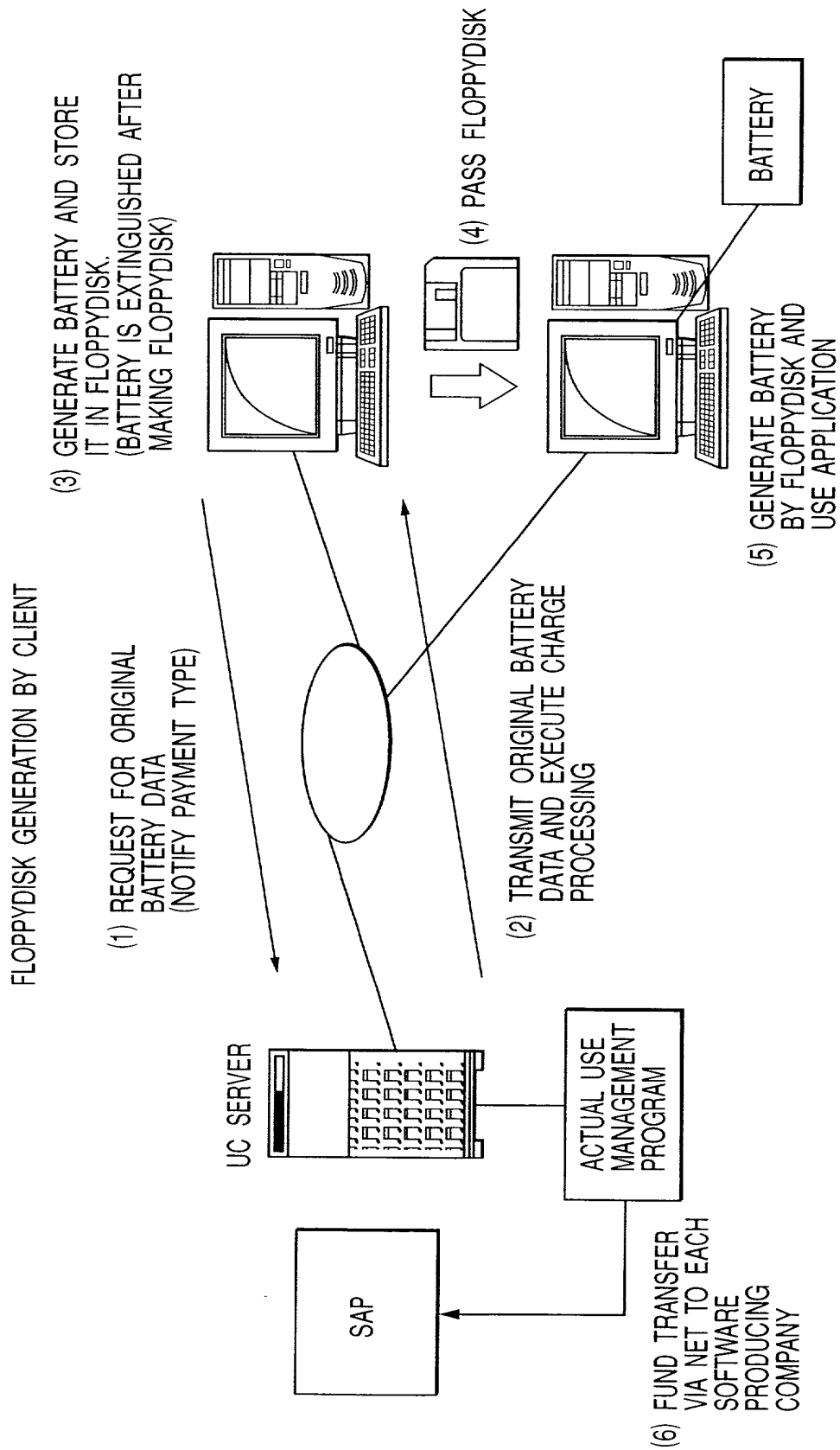


FIG. 47

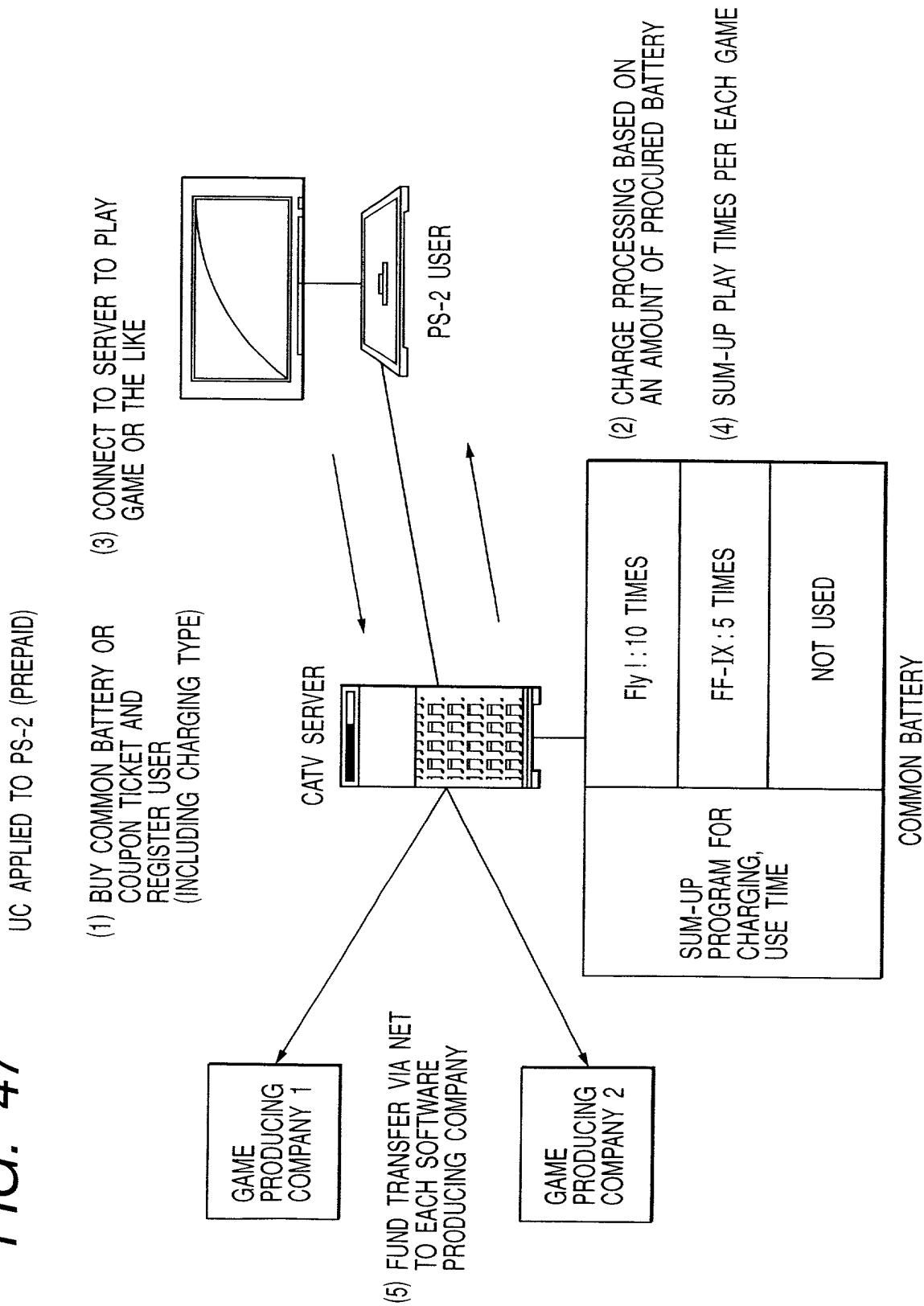


FIG. 48

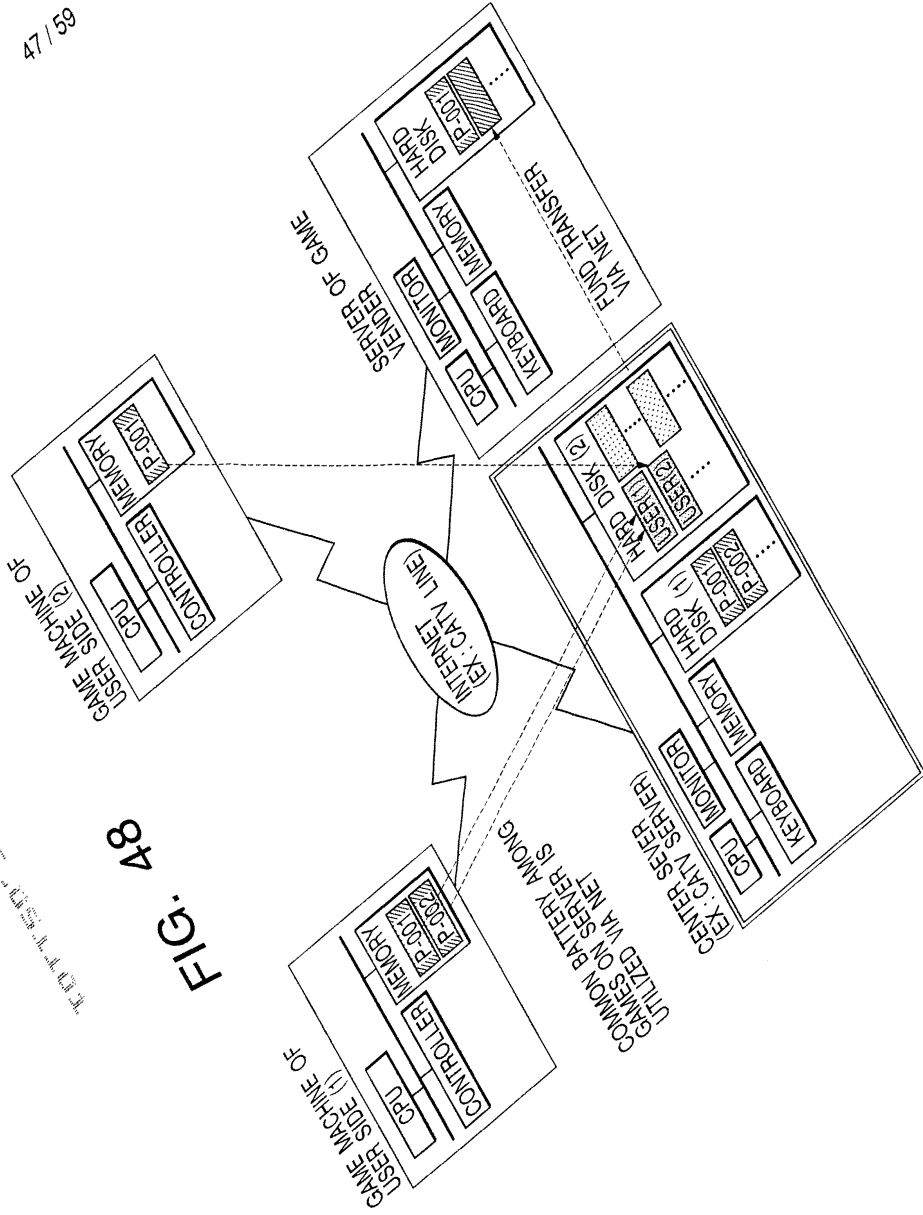


FIG. 49

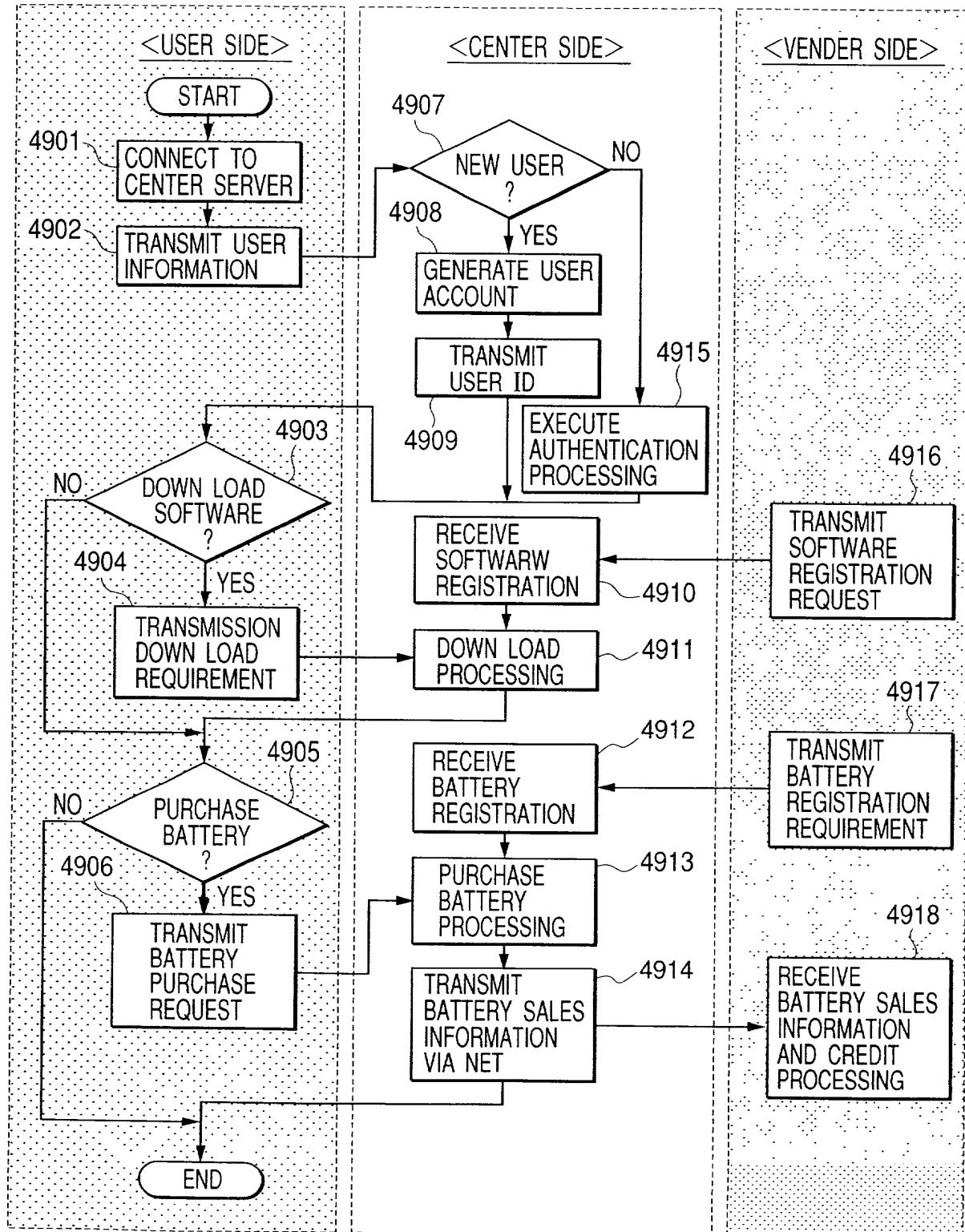
INITIAL PROCESSING
FLOW

FIG. 50A

FIG. 50

FIG. 50A | FIG. 50B

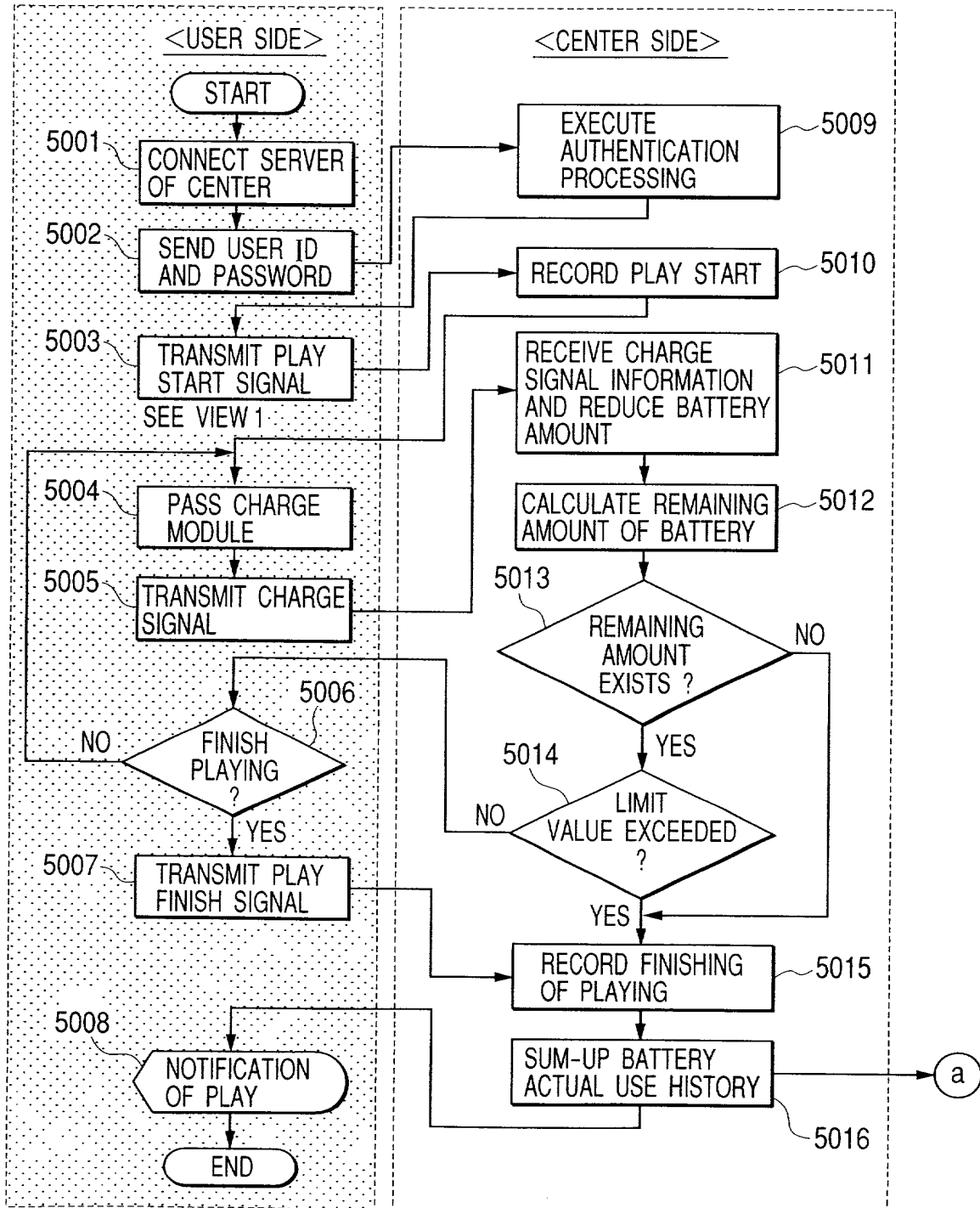
PROCESSING FLOW
UNDER PLAYING

FIG. 50B

INDICATE PLAY START

☐ TABLE TENNIS GAME

☐ (CLICK "START" TO PLAY)

☐

☐

START

INDICATE THAT LIMIT
VALUE IS EXCEEDED

☐ PREDETERMINED USE
TIME IS EXCEEDED

☐

☐ THE END OF TODAY'S GAME !!

☐

OK

CHARGE INFO

CLICK "CHARGE INFO" TO
INDICATE DETAILED USE LIST

☒ STATUS OF USE ON *,*

☐ TITLE TIME REMAINING AMOUNT
 OF BATTERY

☐ xxx 5 16

☐ yyy 16 0

☐

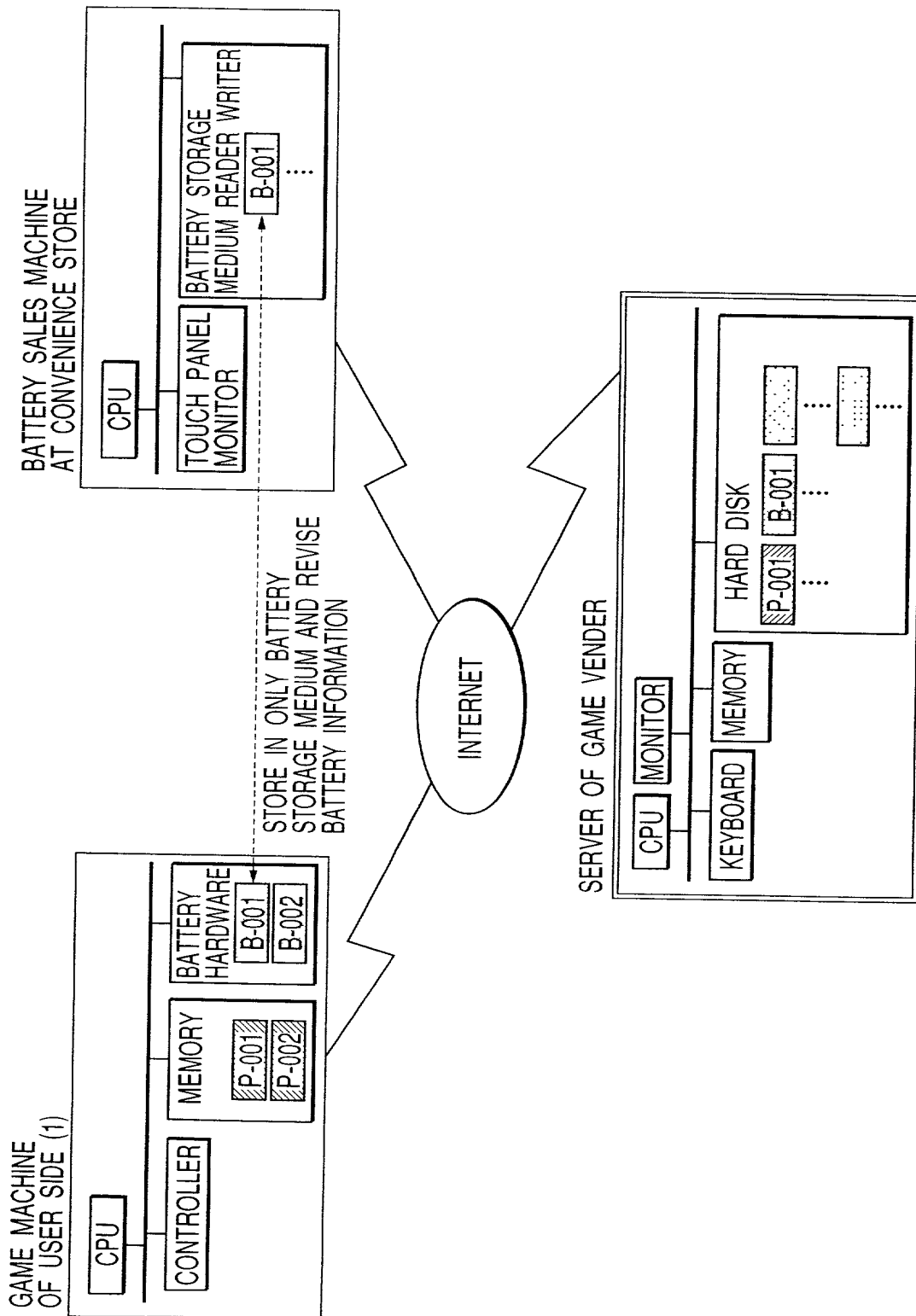
RETURN

<VENDER SIDE>

RECEIVE BATTERY
ACTUAL USE HISTORY
REPORT

a

FIG. 51



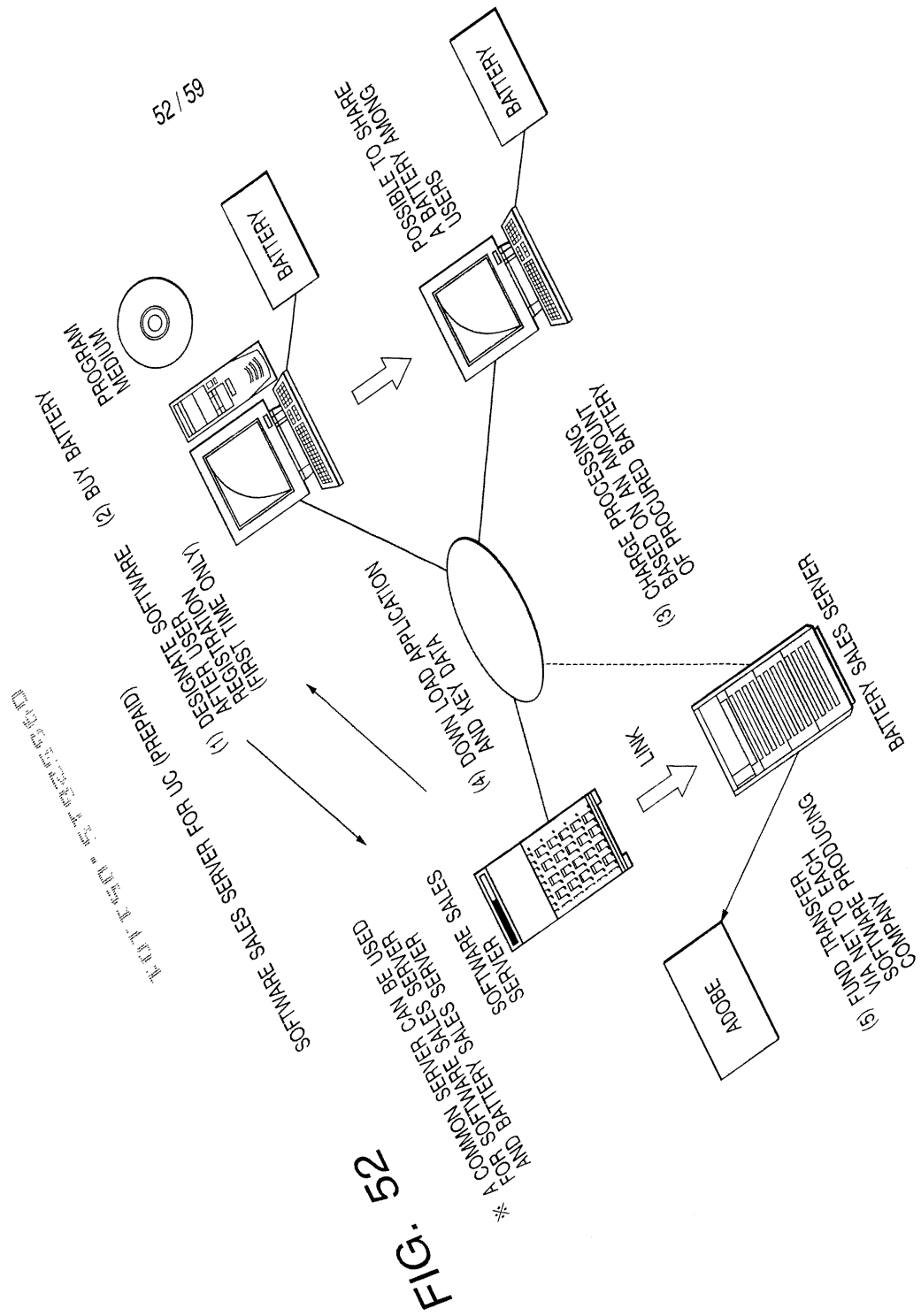


FIG. 53

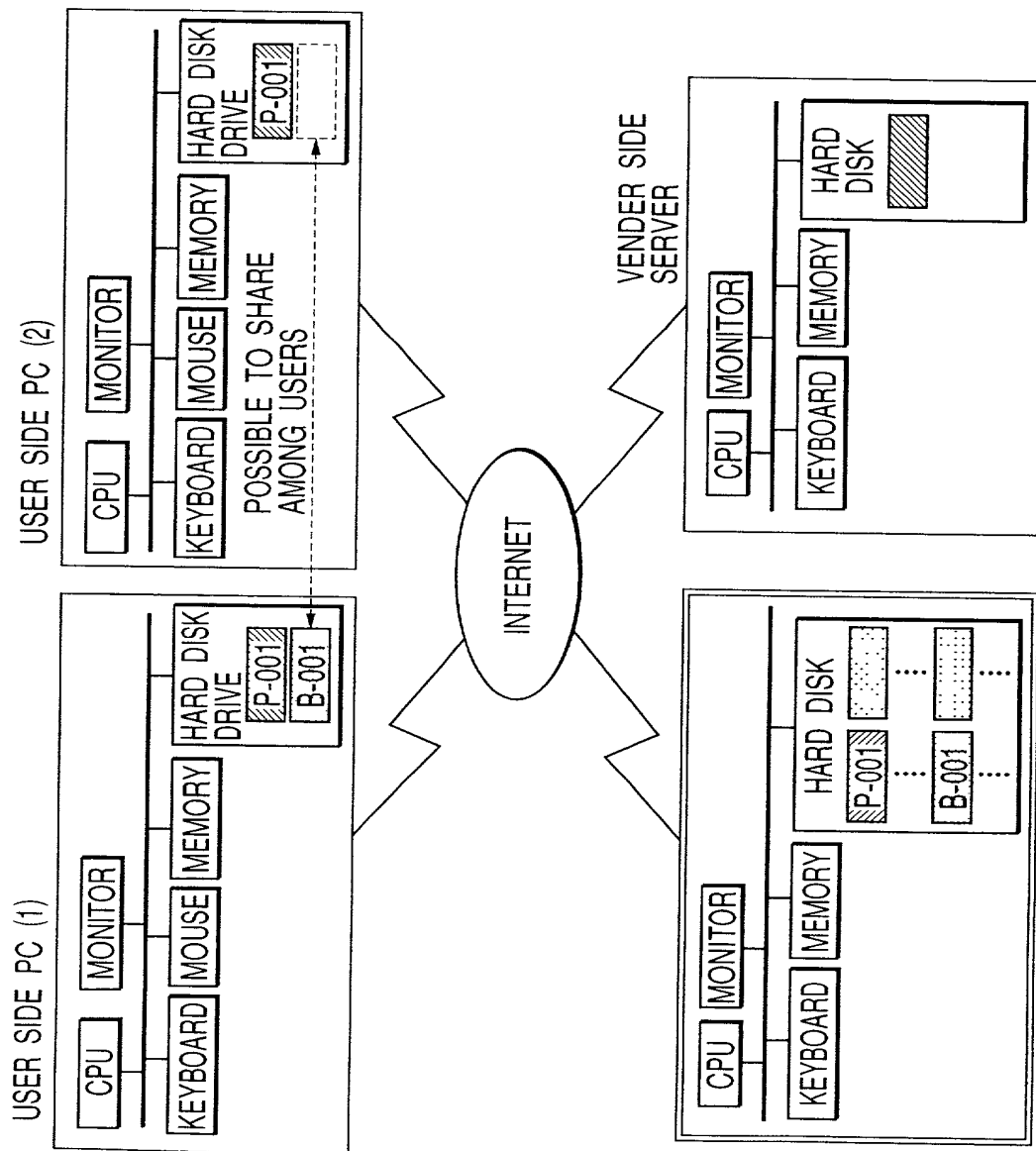


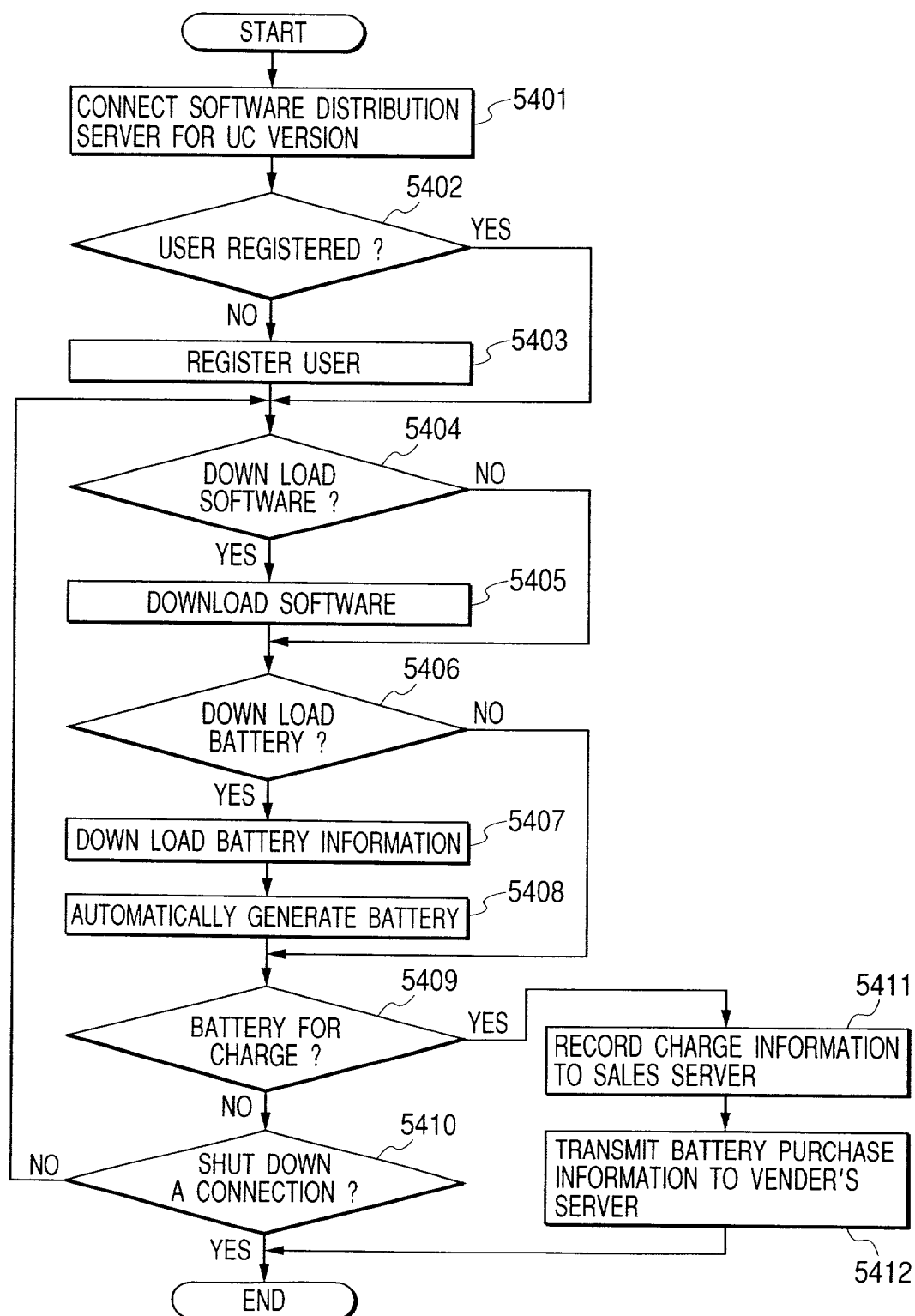
FIG. 54PROCESSING FLOW

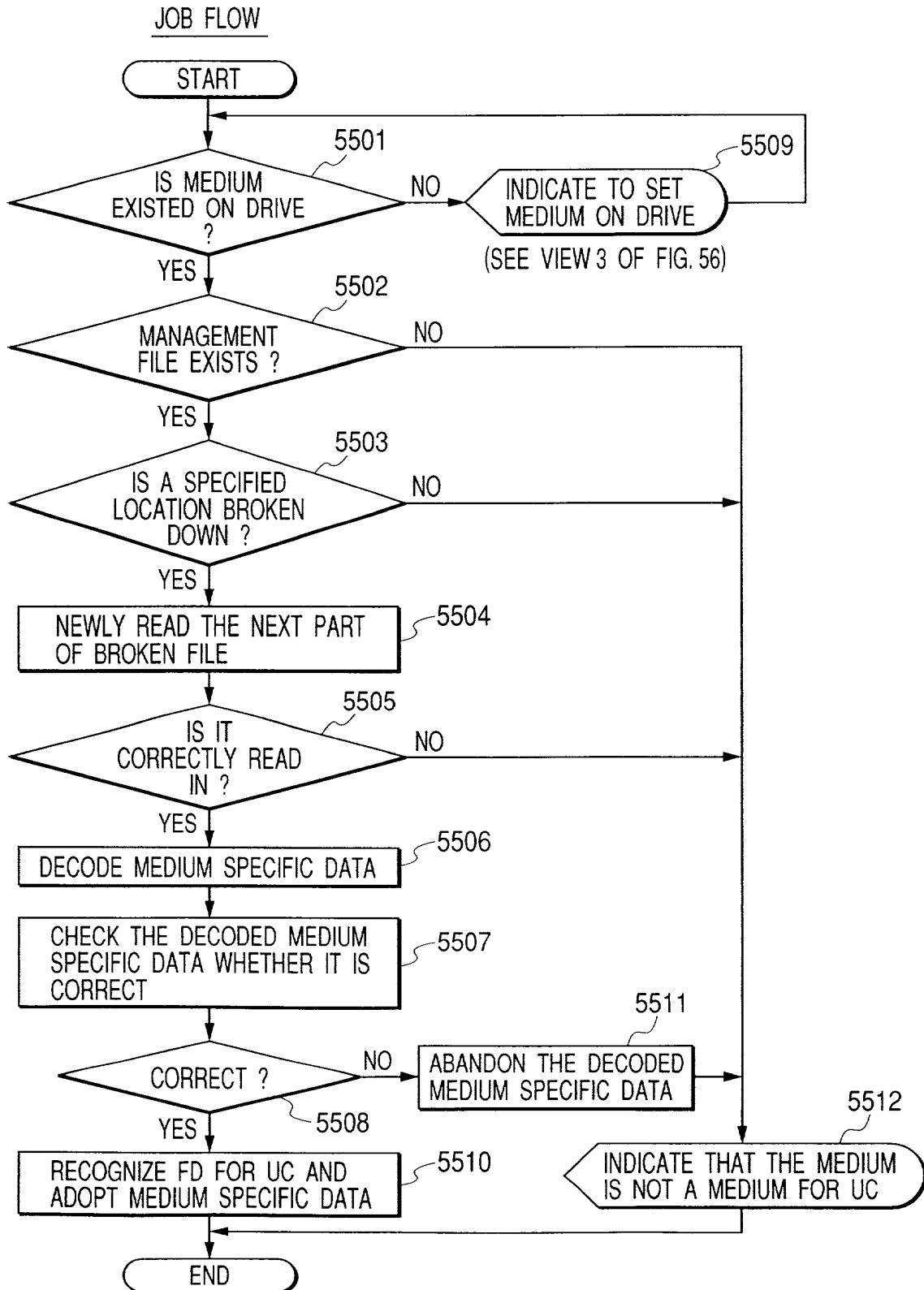
FIG. 55

FIG. 56

VIEW 3
EMBODIMENT IN CASE THAT
MEDIUM IS FLOPPY DISK

INSERT FD FOR SPECIAL USE
ON DRIVE

OK

HELP

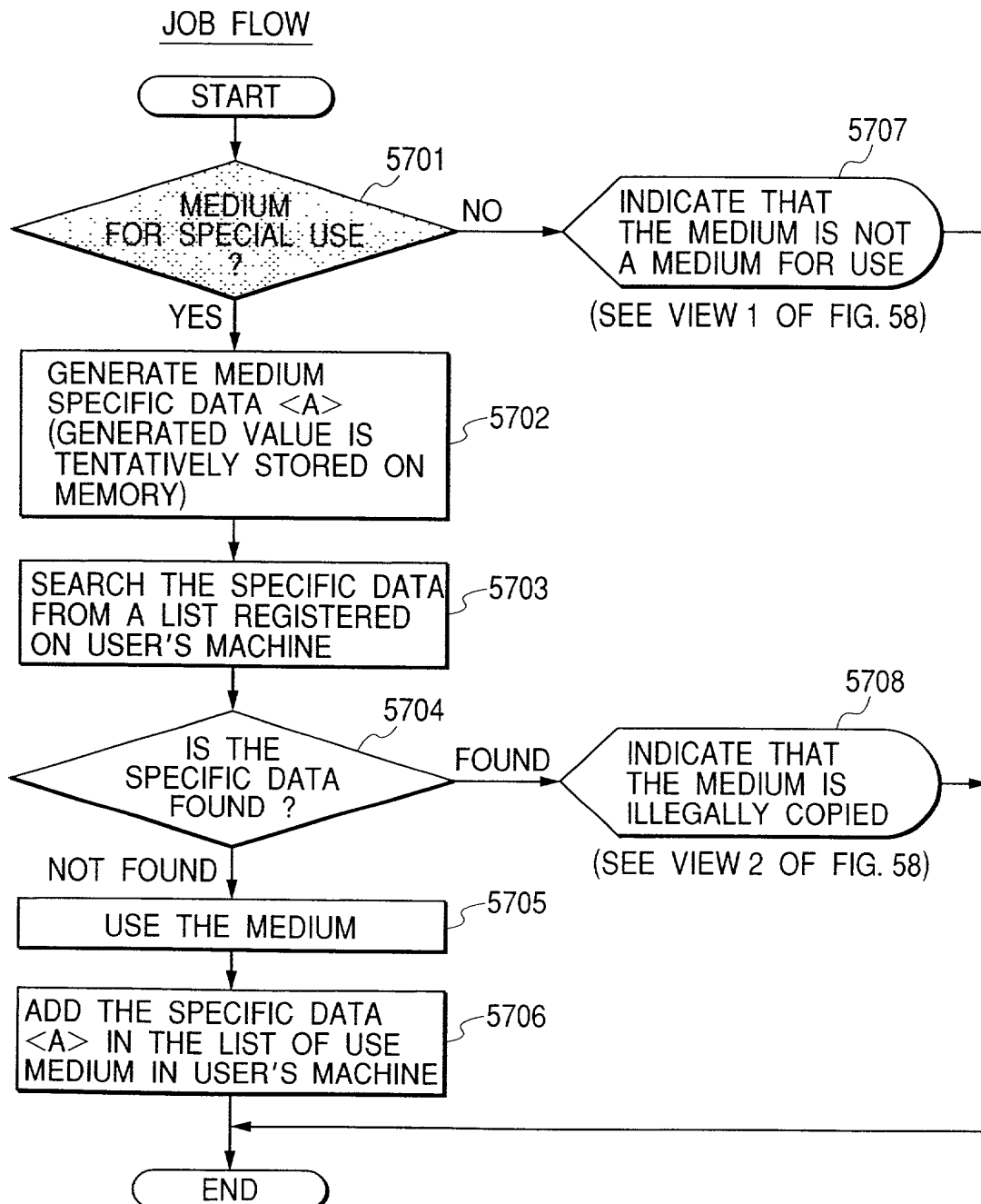
FIG. 57

FIG. 58

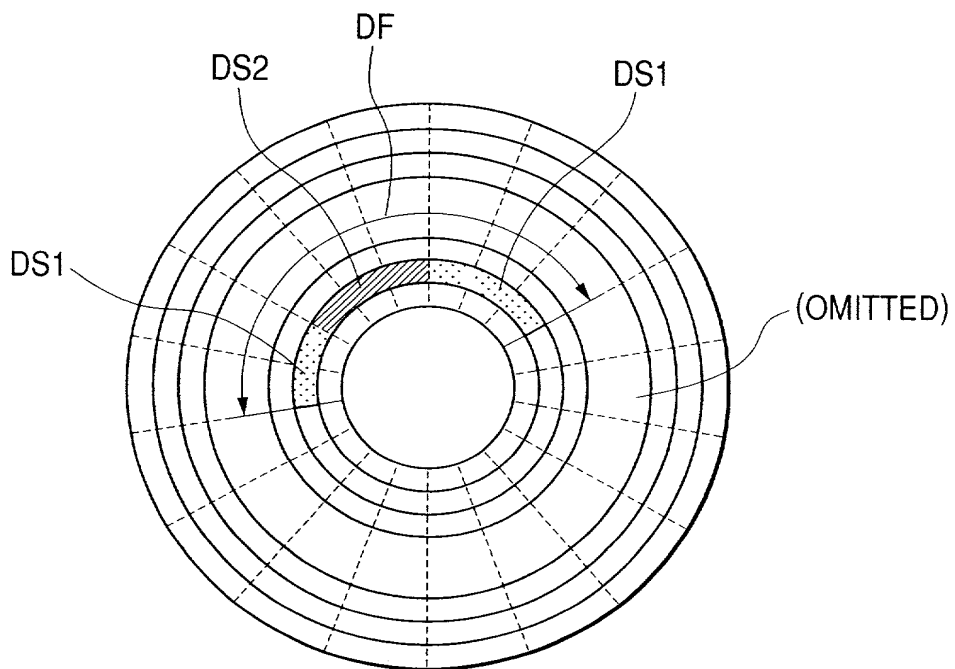
VIEW 1
THE EMBODIMENT IN CASE
THAT MEDIUM IS FLOPPYDISK

THIS FD IS NOT FD FOR
SPECIAL USE.
INSERT FD FOR SPECIAL USE.

VIEW 2
THE EMBODIMENT IN CASE
THAT MEDIUM IS FLOPPYDISK

THIS FD IS ONE COPIED
FROM ORIGINAL.
INSERT ORIGINAL FD.

FIG. 59



*FIG. 60*CONTENTS OF MANAGEMENT FILE

| | |
|--|--|
| A SERIAL NUMBER OF MEDIUM (A PART) | |
| FORMATTED DATE INFORMATION (A PART) | |
| DATE INFORMATION OF THE DATE LASTLY REVISED (A PART) | |
| DUMMY DATA | |
| <div style="border: 1px dashed black; padding: 10px; text-align: center;"> DEFECTIVE AREA </div> | |
| A SERIAL NUMBER OF MEDIUM (REMAINING PART) | |
| FORMATTED DATE INFORMATION (REMAINING PART) | |
| DATE INFORMATION OF THE DATE LASTLY REVISED (REMAINING PART) | |
| CHECK SUM | |
| DUMMY DATA | |